



BARGE "CBC 317"

INNAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
1 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8
2 PORT	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4
2 STBD	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4
3 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
3 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 4'-00"
 AFT DRAFT = 6'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 PORT IS 00-1/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED INNAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 258'-06"

December 6, 2013

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 317"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	616	0	15,606	0	31,365	0	47,032	0	62,776	0	78,535	0	94,294	0	110,052	0	125,811	0	141,569
1/4	811	1/4	15,935	1/4	31,693	1/4	47,358	1/4	63,104	1/4	78,863	1/4	94,622	1/4	110,381	1/4	126,140	1/4	141,897
1/2	1,006	1/2	16,263	1/2	32,021	1/2	47,684	1/2	63,433	1/2	79,191	1/2	94,950	1/2	110,709	1/2	126,468	1/2	142,225
3/4	1,200	3/4	16,591	3/4	32,350	3/4	48,009	3/4	63,761	3/4	79,520	3/4	95,279	3/4	111,037	3/4	126,796	3/4	142,553
1	1,395	1	16,920	1	32,678	1	48,335	1	64,089	1	79,848	1	95,607	1	111,366	1	127,125	1	142,882
1/4	1,672	1/4	17,248	1/4	33,006	1/4	48,662	1/4	64,417	1/4	80,176	1/4	95,935	1/4	111,694	1/4	127,453	1/4	143,210
1/2	1,949	1/2	17,576	1/2	33,335	1/2	48,990	1/2	64,746	1/2	80,505	1/2	96,263	1/2	112,022	1/2	127,781	1/2	143,538
3/4	2,226	3/4	17,904	3/4	33,663	3/4	49,318	3/4	65,074	3/4	80,833	3/4	96,592	3/4	112,351	3/4	128,109	3/4	143,866
2	2,503	2	18,233	2	33,991	2	49,645	2	65,402	2	81,161	2	96,920	2	112,679	2	128,438	2	144,194
1/4	2,825	1/4	18,561	1/4	34,319	1/4	49,973	1/4	65,731	1/4	81,490	1/4	97,248	1/4	113,007	1/4	128,766	1/4	144,523
1/2	3,147	1/2	18,889	1/2	34,648	1/2	50,301	1/2	66,059	1/2	81,818	1/2	97,577	1/2	113,336	1/2	129,094	1/2	144,851
3/4	3,469	3/4	19,218	3/4	34,976	3/4	50,629	3/4	66,387	3/4	82,146	3/4	97,905	3/4	113,664	3/4	129,423	3/4	145,179
3	3,790	3	19,546	3	35,304	3	50,957	3	66,716	3	82,474	3	98,233	3	113,992	3	129,751	3	145,507
1/4	4,118	1/4	19,874	1/4	35,631	1/4	51,285	1/4	67,044	1/4	82,803	1/4	98,562	1/4	114,320	1/4	130,079	1/4	145,836
1/2	4,446	1/2	20,203	1/2	35,957	1/2	51,613	1/2	67,372	1/2	83,131	1/2	98,890	1/2	114,649	1/2	130,408	1/2	146,164
3/4	4,773	3/4	20,531	3/4	36,284	3/4	51,942	3/4	67,701	3/4	83,459	3/4	99,218	3/4	114,977	3/4	130,736	3/4	146,492
4	5,101	4	20,859	4	36,611	4	52,270	4	68,029	4	83,788	4	99,547	4	115,305	4	131,064	4	146,820
1/4	5,429	1/4	21,187	1/4	36,937	1/4	52,598	1/4	68,357	1/4	84,116	1/4	99,875	1/4	115,634	1/4	131,393	1/4	147,149
1/2	5,758	1/2	21,516	1/2	37,263	1/2	52,927	1/2	68,685	1/2	84,444	1/2	100,203	1/2	115,962	1/2	131,721	1/2	147,477
3/4	6,086	3/4	21,844	3/4	37,589	3/4	53,255	3/4	69,014	3/4	84,773	3/4	100,531	3/4	116,290	3/4	132,049	3/4	147,805
5	6,414	5	22,172	5	37,916	5	53,583	5	69,342	5	85,101	5	100,860	5	116,619	5	132,377	5	148,133
1/4	6,742	1/4	22,501	1/4	38,241	1/4	53,912	1/4	69,670	1/4	85,429	1/4	101,188	1/4	116,947	1/4	132,706	1/4	148,461
1/2	7,071	1/2	22,829	1/2	38,567	1/2	54,240	1/2	69,999	1/2	85,758	1/2	101,516	1/2	117,275	1/2	133,034	1/2	148,790
3/4	7,399	3/4	23,157	3/4	38,893	3/4	54,568	3/4	70,327	3/4	86,086	3/4	101,845	3/4	117,604	3/4	133,362	3/4	149,118
6	7,727	6	23,486	6	39,218	6	54,896	6	70,655	6	86,414	6	102,173	6	117,932	6	133,691	6	149,446
1/4	8,055	1/4	23,814	1/4	39,544	1/4	55,225	1/4	70,984	1/4	86,742	1/4	102,501	1/4	118,260	1/4	134,019	1/4	149,774
1/2	8,384	1/2	24,142	1/2	39,870	1/2	55,553	1/2	71,312	1/2	87,071	1/2	102,830	1/2	118,588	1/2	134,347	1/2	150,103
3/4	8,712	3/4	24,470	3/4	40,195	3/4	55,881	3/4	71,640	3/4	87,399	3/4	103,158	3/4	118,917	3/4	134,676	3/4	150,431
7	9,040	7	24,799	7	40,521	7	56,210	7	71,969	7	87,727	7	103,486	7	119,245	7	135,004	7	150,759
1/4	9,369	1/4	25,127	1/4	40,846	1/4	56,538	1/4	72,297	1/4	88,056	1/4	103,815	1/4	119,573	1/4	135,332	1/4	151,087
1/2	9,697	1/2	25,455	1/2	41,172	1/2	56,866	1/2	72,625	1/2	88,384	1/2	104,143	1/2	119,902	1/2	135,660	1/2	151,416
3/4	10,025	3/4	25,784	3/4	41,498	3/4	57,195	3/4	72,953	3/4	88,712	3/4	104,471	3/4	120,230	3/4	135,989	3/4	151,744
8	10,354	8	26,112	8	41,823	8	57,523	8	73,282	8	89,041	8	104,799	8	120,558	8	136,317	8	152,072
1/4	10,682	1/4	26,440	1/4	42,149	1/4	57,851	1/4	73,610	1/4	89,369	1/4	105,128	1/4	120,887	1/4	136,645	1/4	152,400
1/2	11,010	1/2	26,769	1/2	42,474	1/2	58,180	1/2	73,938	1/2	89,697	1/2	105,456	1/2	121,215	1/2	136,973	1/2	152,729
3/4	11,338	3/4	27,097	3/4	42,800	3/4	58,508	3/4	74,267	3/4	90,026	3/4	105,784	3/4	121,543	3/4	137,302	3/4	153,057
9	11,667	9	27,425	9	43,125	9	58,836	9	74,595	9	90,354	9	106,113	9	121,872	9	137,630	9	153,385
1/4	11,995	1/4	27,753	1/4	43,451	1/4	59,164	1/4	74,923	1/4	90,682	1/4	106,441	1/4	122,200	1/4	137,958	1/4	153,713
1/2	12,323	1/2	28,082	1/2	43,777	1/2	59,493	1/2	75,252	1/2	91,010	1/2	106,769	1/2	122,528	1/2	138,286	1/2	154,041
3/4	12,652	3/4	28,410	3/4	44,102	3/4	59,821	3/4	75,580	3/4	91,339	3/4	107,098	3/4	122,857	3/4	138,615	3/4	154,370
10	12,980	10	28,738	10	44,428	10	60,149	10	75,908	10	91,667	10	107,426	10	123,185	10	138,943	10	154,698
1/4	13,308	1/4	29,067	1/4	44,753	1/4	60,478	1/4	76,237	1/4	91,995	1/4	107,754	1/4	123,513	1/4	139,271	1/4	155,026
1/2	13,637	1/2	29,395	1/2	45,079	1/2	60,806	1/2	76,565	1/2	92,324	1/2	108,083	1/2	123,841	1/2	139,599	1/2	155,354
3/4	13,965	3/4	29,723	3/4	45,404	3/4	61,134	3/4	76,893	3/4	92,652	3/4	108,411	3/4	124,170	3/4	139,927	3/4	155,683
11	14,293	11	30,052	11	45,730	11	61,463	11	77,222	11	92,980	11	108,739	11	124,498	11	140,256	11	156,011
1/4	14,621	1/4	30,380	1/4	46,056	1/4	61,791	1/4	77,550	1/4	93,309	1/4	109,068	1/4	124,826	1/4	140,584	1/4	156,339
1/2	14,950	1/2	30,708	1/2	46,381	1/2	62,119	1/2	77,878	1/2	93,637	1/2	109,396	1/2	125,155	1/2	140,912	1/2	156,667
3/4	15,278	3/4	31,036	3/4	46,707	3/4	62,448	3/4	78,206	3/4	93,965	3/4	109,724	3/4	125,483	3/4	141,240	3/4	156,996

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
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BARGE "CBC 317"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	157,324	0	173,079	0	188,762	0	204,429	0	220,009	0		0		0		0		0	
1/4	157,652	1/4	173,407	1/4	189,088	1/4	204,756	1/4	220,323	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	157,980	1/2	173,735	1/2	189,415	1/2	205,082	1/2	220,638	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,308	3/4	174,064	3/4	189,741	3/4	205,409	3/4	220,952	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	158,637	1	174,392	1	190,068	1	205,735	1	221,267	1	1	1	1	1	1	1	1	1	1
1/4	158,965	1/4	174,720	1/4	190,394	1/4	206,061	1/4	221,541	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,293	1/2	175,048	1/2	190,720	1/2	206,388	1/2	221,815	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	159,621	3/4	175,376	3/4	191,047	3/4	206,714	3/4	222,089	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	159,950	2	175,705	2	191,373	2	207,041	2	222,363	2	2	2	2	2	2	2	2	2	2
1/4	160,278	1/4	176,031	1/4	191,700	1/4	207,367	1/4	222,583	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	160,606	1/2	176,358	1/2	192,026	1/2	207,693	1/2	222,804	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	160,934	3/4	176,685	3/4	192,352	3/4	208,020	3/4	223,024	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	161,263	3	177,011	3	192,679	3	208,346	3	223,244	3	3	3	3	3	3	3	3	3	3
1/4	161,591	1/4	177,338	1/4	193,005	1/4	208,673	1/4	223,410	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	161,919	1/2	177,664	1/2	193,332	1/2	208,999	1/2	223,576	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	162,247	3/4	177,990	3/4	193,658	3/4	209,326	3/4	223,576	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	162,575	4	178,317	4	193,984	4	209,652	4	209,652	4	4	4	4	4	4	4	4	4	4
1/4	162,904	1/4	178,643	1/4	194,311	1/4	209,978	1/4	209,978	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	163,232	1/2	178,970	1/2	194,637	1/2	210,305	1/2	210,305	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	163,560	3/4	179,296	3/4	194,964	3/4	210,631	3/4	210,631	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	163,888	5	179,623	5	195,290	5	210,958	5	210,958	5	5	5	5	5	5	5	5	5	5
1/4	164,217	1/4	179,949	1/4	195,616	1/4	211,284	1/4	211,284	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	164,545	1/2	180,275	1/2	195,943	1/2	211,610	1/2	211,610	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	164,873	3/4	180,602	3/4	196,269	3/4	211,937	3/4	211,937	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	165,201	6	180,928	6	196,596	6	212,263	6	212,263	6	6	6	6	6	6	6	6	6	6
1/4	165,530	1/4	181,255	1/4	196,922	1/4	212,590	1/4	212,590	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	165,858	1/2	181,581	1/2	197,248	1/2	212,916	1/2	212,916	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	166,186	3/4	181,907	3/4	197,575	3/4	213,242	3/4	213,242	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	166,514	7	182,234	7	197,901	7	213,569	7	213,569	7	7	7	7	7	7	7	7	7	7
1/4	166,842	1/4	182,560	1/4	198,228	1/4	213,892	1/4	213,892	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	167,171	1/2	182,887	1/2	198,554	1/2	214,215	1/2	214,215	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	167,499	3/4	183,213	3/4	198,881	3/4	214,539	3/4	214,539	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	167,827	8	183,539	8	199,207	8	214,862	8	214,862	8	8	8	8	8	8	8	8	8	8
1/4	168,155	1/4	183,866	1/4	199,533	1/4	215,185	1/4	215,185	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	168,484	1/2	184,192	1/2	199,860	1/2	215,507	1/2	215,507	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	168,812	3/4	184,519	3/4	200,186	3/4	215,830	3/4	215,830	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	169,140	9	184,845	9	200,513	9	216,153	9	216,153	9	9	9	9	9	9	9	9	9	9
1/4	169,468	1/4	185,171	1/4	200,839	1/4	216,475	1/4	216,475	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	169,797	1/2	185,498	1/2	201,165	1/2	216,797	1/2	216,797	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	170,125	3/4	185,824	3/4	201,492	3/4	217,120	3/4	217,120	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	170,453	10	186,151	10	201,818	10	217,442	10	217,442	10	10	10	10	10	10	10	10	10	10
1/4	170,781	1/4	186,477	1/4	202,145	1/4	217,763	1/4	217,763	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	171,109	1/2	186,803	1/2	202,471	1/2	218,085	1/2	218,085	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	171,438	3/4	187,130	3/4	202,797	3/4	218,406	3/4	218,406	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	171,766	11	187,456	11	203,124	11	218,728	11	218,728	11	11	11	11	11	11	11	11	11	11
1/4	172,094	1/4	187,783	1/4	203,450	1/4	219,048	1/4	219,048	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	172,422	1/2	188,109	1/2	203,777	1/2	219,368	1/2	219,368	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	172,751	3/4	188,435	3/4	204,103	3/4	219,689	3/4	219,689	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/04/2013 SW
CALCULATED: 12/06/2013 CL
PRINTED: 12/06/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "CBC 317"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	616	0	15,606	0	31,365	0	47,085	0	62,837	0	78,596	0	94,355	0	110,114	0	125,873	0	141,630
1/4	811	1/4	15,935	1/4	31,693	1/4	47,412	1/4	63,165	1/4	78,924	1/4	94,683	1/4	110,442	1/4	126,201	1/4	141,958
1/2	1,006	1/2	16,263	1/2	32,021	1/2	47,740	1/2	63,494	1/2	79,253	1/2	95,012	1/2	110,770	1/2	126,529	1/2	142,286
3/4	1,200	3/4	16,591	3/4	32,350	3/4	48,067	3/4	63,822	3/4	79,581	3/4	95,340	3/4	111,099	3/4	126,858	3/4	142,615
1	1,395	1	16,920	1	32,678	1	48,395	1	64,150	1	79,909	1	95,668	1	111,427	1	127,186	1	142,943
1/4	1,672	1/4	17,248	1/4	33,006	1/4	48,723	1/4	64,479	1/4	80,238	1/4	95,996	1/4	111,755	1/4	127,514	1/4	143,271
1/2	1,949	1/2	17,576	1/2	33,334	1/2	49,051	1/2	64,807	1/2	80,566	1/2	96,325	1/2	112,084	1/2	127,842	1/2	143,599
3/4	2,226	3/4	17,904	3/4	33,662	3/4	49,379	3/4	65,135	3/4	80,894	3/4	96,653	3/4	112,412	3/4	128,171	3/4	143,928
2	2,503	2	18,233	2	33,990	2	49,707	2	65,464	2	81,223	2	96,981	2	112,740	2	128,499	2	144,256
1/4	2,825	1/4	18,561	1/4	34,317	1/4	50,034	1/4	65,792	1/4	81,551	1/4	97,310	1/4	113,069	1/4	128,827	1/4	144,584
1/2	3,147	1/2	18,889	1/2	34,645	1/2	50,362	1/2	66,120	1/2	81,879	1/2	97,638	1/2	113,397	1/2	129,156	1/2	144,912
3/4	3,469	3/4	19,218	3/4	34,973	3/4	50,690	3/4	66,449	3/4	82,207	3/4	97,966	3/4	113,725	3/4	129,484	3/4	145,240
3	3,790	3	19,546	3	35,301	3	51,018	3	66,777	3	82,536	3	98,295	3	114,053	3	129,812	3	145,569
1/4	4,118	1/4	19,874	1/4	35,629	1/4	51,346	1/4	67,105	1/4	82,864	1/4	98,623	1/4	114,382	1/4	130,141	1/4	145,897
1/2	4,446	1/2	20,203	1/2	35,956	1/2	51,675	1/2	67,434	1/2	83,192	1/2	98,951	1/2	114,710	1/2	130,469	1/2	146,225
3/4	4,773	3/4	20,531	3/4	36,284	3/4	52,003	3/4	67,762	3/4	83,521	3/4	99,280	3/4	115,038	3/4	130,797	3/4	146,553
4	5,101	4	20,859	4	36,612	4	52,331	4	68,090	4	83,849	4	99,608	4	115,367	4	131,126	4	146,882
1/4	5,429	1/4	21,187	1/4	36,940	1/4	52,660	1/4	68,418	1/4	84,177	1/4	99,936	1/4	115,695	1/4	131,454	1/4	147,210
1/2	5,758	1/2	21,516	1/2	37,268	1/2	52,988	1/2	68,747	1/2	84,506	1/2	100,264	1/2	116,023	1/2	131,782	1/2	147,538
3/4	6,086	3/4	21,844	3/4	37,596	3/4	53,316	3/4	69,075	3/4	84,834	3/4	100,593	3/4	116,352	3/4	132,110	3/4	147,866
5	6,414	5	22,172	5	37,923	5	53,645	5	69,403	5	85,162	5	100,921	5	116,680	5	132,439	5	148,195
1/4	6,742	1/4	22,501	1/4	38,251	1/4	53,973	1/4	69,732	1/4	85,491	1/4	101,249	1/4	117,008	1/4	132,767	1/4	148,523
1/2	7,071	1/2	22,829	1/2	38,578	1/2	54,301	1/2	70,060	1/2	85,819	1/2	101,578	1/2	117,337	1/2	133,095	1/2	148,851
3/4	7,399	3/4	23,157	3/4	38,905	3/4	54,629	3/4	70,388	3/4	86,147	3/4	101,906	3/4	117,665	3/4	133,424	3/4	149,179
6	7,727	6	23,486	6	39,232	6	54,958	6	70,717	6	86,475	6	102,234	6	117,993	6	133,752	6	149,507
1/4	8,055	1/4	23,814	1/4	39,559	1/4	55,286	1/4	71,045	1/4	86,804	1/4	102,563	1/4	118,321	1/4	134,080	1/4	149,836
1/2	8,384	1/2	24,142	1/2	39,887	1/2	55,614	1/2	71,373	1/2	87,132	1/2	102,891	1/2	118,650	1/2	134,409	1/2	150,164
3/4	8,712	3/4	24,470	3/4	40,214	3/4	55,943	3/4	71,702	3/4	87,460	3/4	103,219	3/4	118,978	3/4	134,737	3/4	150,492
7	9,040	7	24,799	7	40,541	7	56,271	7	72,030	7	87,789	7	103,548	7	119,306	7	135,065	7	150,820
1/4	9,369	1/4	25,127	1/4	40,868	1/4	56,599	1/4	72,358	1/4	88,117	1/4	103,876	1/4	119,635	1/4	135,393	1/4	151,149
1/2	9,697	1/2	25,455	1/2	41,195	1/2	56,928	1/2	72,686	1/2	88,445	1/2	104,204	1/2	119,963	1/2	135,722	1/2	151,477
3/4	10,025	3/4	25,784	3/4	41,522	3/4	57,256	3/4	73,015	3/4	88,774	3/4	104,532	3/4	120,291	3/4	136,050	3/4	151,805
8	10,354	8	26,112	8	41,849	8	57,584	8	73,343	8	89,102	8	104,861	8	120,620	8	136,378	8	152,133
1/4	10,682	1/4	26,440	1/4	42,176	1/4	57,913	1/4	73,671	1/4	89,430	1/4	105,189	1/4	120,948	1/4	136,706	1/4	152,462
1/2	11,010	1/2	26,769	1/2	42,503	1/2	58,241	1/2	74,000	1/2	89,759	1/2	105,517	1/2	121,276	1/2	137,035	1/2	152,790
3/4	11,338	3/4	27,097	3/4	42,831	3/4	58,569	3/4	74,328	3/4	90,087	3/4	105,846	3/4	121,605	3/4	137,363	3/4	153,118
9	11,667	9	27,425	9	43,158	9	58,897	9	74,656	9	90,415	9	106,174	9	121,933	9	137,691	9	153,446
1/4	11,995	1/4	27,753	1/4	43,485	1/4	59,226	1/4	74,985	1/4	90,743	1/4	106,502	1/4	122,261	1/4	138,019	1/4	153,774
1/2	12,323	1/2	28,082	1/2	43,812	1/2	59,554	1/2	75,313	1/2	91,072	1/2	106,831	1/2	122,589	1/2	138,348	1/2	154,103
3/4	12,652	3/4	28,410	3/4	44,139	3/4	59,882	3/4	75,641	3/4	91,400	3/4	107,159	3/4	122,918	3/4	138,676	3/4	154,431
10	12,980	10	28,738	10	44,466	10	60,211	10	75,970	10	91,728	10	107,487	10	123,246	10	139,004	10	154,759
1/4	13,308	1/4	29,067	1/4	44,793	1/4	60,539	1/4	76,298	1/4	92,057	1/4	107,816	1/4	123,574	1/4	139,332	1/4	155,087
1/2	13,637	1/2	29,395	1/2	45,120	1/2	60,867	1/2	76,626	1/2	92,385	1/2	108,144	1/2	123,903	1/2	139,661	1/2	155,416
3/4	13,965	3/4	29,723	3/4	45,447	3/4	61,196	3/4	76,954	3/4	92,713	3/4	108,472	3/4	124,231	3/4	139,989	3/4	155,744
11	14,293	11	30,052	11	45,775	11	61,524	11	77,283	11	93,042	11	108,800	11	124,559	11	140,317	11	156,072
1/4	14,621	1/4	30,380	1/4	46,102	1/4	61,852	1/4	77,611	1/4	93,370	1/4	109,129	1/4	124,888	1/4	140,645	1/4	156,400
1/2	14,950	1/2	30,708	1/2	46,430	1/2	62,181	1/2	77,939	1/2	93,698	1/2	109,457	1/2	125,216	1/2	140,973	1/2	156,729
3/4	15,278	3/4	31,036	3/4	46,757	3/4	62,509	3/4	78,268	3/4	94,027	3/4	109,785	3/4	125,544	3/4	141,302	3/4	157,057

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "CBC 317"

1 STBD
INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	157,385	0	173,140	0	188,823	0	204,491	0	220,070	0		0		0		0		0	
1/4	157,713	1/4	173,468	1/4	189,150	1/4	204,817	1/4	220,385	1/4		1/4		1/4		1/4		1/4	
1/2	158,042	1/2	173,797	1/2	189,476	1/2	205,144	1/2	220,699	1/2		1/2		1/2		1/2		1/2	
3/4	158,370	3/4	174,125	3/4	189,802	3/4	205,470	3/4	221,014	3/4		3/4		3/4		3/4		3/4	
1	158,698	1	174,453	1	190,129	1	205,796	1	221,328	1		1		1		1		1	
1/4	159,026	1/4	174,781	1/4	190,455	1/4	206,123	1/4	221,602	1/4		1/4		1/4		1/4		1/4	
1/2	159,354	1/2	175,110	1/2	190,782	1/2	206,449	1/2	221,876	1/2		1/2		1/2		1/2		1/2	
3/4	159,683	3/4	175,438	3/4	191,108	3/4	206,776	3/4	222,150	3/4		3/4		3/4		3/4		3/4	
2	160,011	2	175,766	2	191,434	2	207,102	2	222,424	2		2		2		2		2	
1/4	160,339	1/4	176,093	1/4	191,761	1/4	207,428	1/4	222,644	1/4		1/4		1/4		1/4		1/4	
1/2	160,667	1/2	176,419	1/2	192,087	1/2	207,755	1/2	222,865	1/2		1/2		1/2		1/2		1/2	
3/4	160,996	3/4	176,746	3/4	192,414	3/4	208,081	3/4	223,085	3/4		3/4		3/4		3/4		3/4	
3	161,324	3	177,073	3	192,740	3	208,408	3	223,306	3		3		3		3		3	
1/4	161,652	1/4	177,399	1/4	193,066	1/4	208,734	1/4	223,471	1/4		1/4		1/4		1/4		1/4	
1/2	161,980	1/2	177,725	1/2	193,393	1/2	209,060	1/2	223,637	1/2		1/2		1/2		1/2		1/2	
3/4	162,309	3/4	178,052	3/4	193,719	3/4	209,387	3/4		3/4		3/4		3/4		3/4		3/4	
4	162,637	4	178,378	4	194,046	4	209,713	4		4		4		4		4		4	
1/4	162,965	1/4	178,705	1/4	194,372	1/4	210,040	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,293	1/2	179,031	1/2	194,699	1/2	210,366	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,621	3/4	179,357	3/4	195,025	3/4	210,692	3/4		3/4		3/4		3/4		3/4		3/4	
5	163,950	5	179,684	5	195,351	5	211,019	5		5		5		5		5		5	
1/4	164,278	1/4	180,010	1/4	195,678	1/4	211,345	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,606	1/2	180,337	1/2	196,004	1/2	211,672	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,934	3/4	180,663	3/4	196,331	3/4	211,998	3/4		3/4		3/4		3/4		3/4		3/4	
6	165,263	6	180,989	6	196,657	6	212,324	6		6		6		6		6		6	
1/4	165,591	1/4	181,316	1/4	196,983	1/4	212,651	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,919	1/2	181,642	1/2	197,310	1/2	212,977	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	166,247	3/4	181,969	3/4	197,636	3/4	213,304	3/4		3/4		3/4		3/4		3/4		3/4	
7	166,576	7	182,295	7	197,963	7	213,630	7		7		7		7		7		7	
1/4	166,904	1/4	182,621	1/4	198,289	1/4	213,953	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	167,232	1/2	182,948	1/2	198,615	1/2	214,277	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	167,560	3/4	183,274	3/4	198,942	3/4	214,600	3/4		3/4		3/4		3/4		3/4		3/4	
8	167,888	8	183,601	8	199,268	8	214,923	8		8		8		8		8		8	
1/4	168,217	1/4	183,927	1/4	199,595	1/4	215,246	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	168,545	1/2	184,253	1/2	199,921	1/2	215,569	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	168,873	3/4	184,580	3/4	200,247	3/4	215,891	3/4		3/4		3/4		3/4		3/4		3/4	
9	169,201	9	184,906	9	200,574	9	216,214	9		9		9		9		9		9	
1/4	169,530	1/4	185,233	1/4	200,900	1/4	216,536	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	169,858	1/2	185,559	1/2	201,227	1/2	216,859	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	170,186	3/4	185,886	3/4	201,553	3/4	217,181	3/4		3/4		3/4		3/4		3/4		3/4	
10	170,514	10	186,212	10	201,879	10	217,503	10		10		10		10		10		10	
1/4	170,843	1/4	186,538	1/4	202,206	1/4	217,825	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	171,171	1/2	186,865	1/2	202,532	1/2	218,146	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	171,499	3/4	187,191	3/4	202,859	3/4	218,468	3/4		3/4		3/4		3/4		3/4		3/4	
11	171,827	11	187,518	11	203,185	11	218,789	11		11		11		11		11		11	
1/4	172,155	1/4	187,844	1/4	203,511	1/4	219,109	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	172,484	1/2	188,170	1/2	203,838	1/2	219,430	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	172,812	3/4	188,497	3/4	204,164	3/4	219,750	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/04/2013 SW
CALCULATED: 12/06/2013 CL
PRINTED: 12/06/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 317"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-03 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	602	0	15,240	0	30,627	0	45,835	0	61,143	0	76,531	0	91,919	0	107,307	0	122,695	0	138,082
1/4	792	1/4	15,560	1/4	30,948	1/4	46,149	1/4	61,464	1/4	76,852	1/4	92,240	1/4	107,628	1/4	123,016	1/4	138,402
1/2	982	1/2	15,881	1/2	31,268	1/2	46,463	1/2	61,784	1/2	77,172	1/2	92,560	1/2	107,948	1/2	123,336	1/2	138,723
3/4	1,173	3/4	16,201	3/4	31,589	3/4	46,777	3/4	62,105	3/4	77,493	3/4	92,881	3/4	108,269	3/4	123,657	3/4	139,043
1	1,363	1	16,522	1	31,909	1	47,091	1	62,426	1	77,814	1	93,202	1	108,590	1	123,978	1	139,364
1/4	1,633	1/4	16,842	1/4	32,230	1/4	47,405	1/4	62,746	1/4	78,134	1/4	93,522	1/4	108,910	1/4	124,298	1/4	139,684
1/2	1,904	1/2	17,163	1/2	32,551	1/2	47,719	1/2	63,067	1/2	78,455	1/2	93,843	1/2	109,231	1/2	124,619	1/2	140,005
3/4	2,174	3/4	17,484	3/4	32,871	3/4	48,034	3/4	63,387	3/4	78,775	3/4	94,163	3/4	109,551	3/4	124,939	3/4	140,325
2	2,445	2	17,804	2	33,192	2	48,348	2	63,708	2	79,096	2	94,484	2	109,872	2	125,260	2	140,646
1/4	2,759	1/4	18,125	1/4	33,512	1/4	48,662	1/4	64,029	1/4	79,416	1/4	94,804	1/4	110,192	1/4	125,580	1/4	140,966
1/2	3,073	1/2	18,445	1/2	33,833	1/2	48,977	1/2	64,349	1/2	79,737	1/2	95,125	1/2	110,513	1/2	125,901	1/2	141,287
3/4	3,387	3/4	18,766	3/4	34,153	3/4	49,291	3/4	64,670	3/4	80,058	3/4	95,446	3/4	110,834	3/4	126,222	3/4	141,607
3	3,702	3	19,086	3	34,474	3	49,605	3	64,990	3	80,378	3	95,766	3	111,154	3	126,542	3	141,928
1/4	4,022	1/4	19,407	1/4	34,795	1/4	49,925	1/4	65,311	1/4	80,699	1/4	96,087	1/4	111,475	1/4	126,863	1/4	142,248
1/2	4,342	1/2	19,728	1/2	35,115	1/2	50,245	1/2	65,631	1/2	81,019	1/2	96,407	1/2	111,795	1/2	127,183	1/2	142,569
3/4	4,662	3/4	20,048	3/4	35,436	3/4	50,565	3/4	65,952	3/4	81,340	3/4	96,728	3/4	112,116	3/4	127,504	3/4	142,889
4	4,982	4	20,369	4	35,756	4	50,885	4	66,273	4	81,661	4	97,049	4	112,437	4	127,825	4	143,210
1/4	5,302	1/4	20,689	1/4	36,077	1/4	51,205	1/4	66,593	1/4	81,981	1/4	97,369	1/4	112,757	1/4	128,145	1/4	143,530
1/2	5,623	1/2	21,010	1/2	36,397	1/2	51,526	1/2	66,914	1/2	82,302	1/2	97,690	1/2	113,078	1/2	128,466	1/2	143,851
3/4	5,943	3/4	21,330	3/4	36,718	3/4	51,846	3/4	67,234	3/4	82,622	3/4	98,010	3/4	113,398	3/4	128,786	3/4	144,171
5	6,264	5	21,651	5	37,039	5	52,167	5	67,555	5	82,943	5	98,331	5	113,719	5	129,107	5	144,492
1/4	6,584	1/4	21,972	1/4	37,353	1/4	52,488	1/4	67,876	1/4	83,263	1/4	98,651	1/4	114,039	1/4	129,427	1/4	144,812
1/2	6,905	1/2	22,292	1/2	37,668	1/2	52,808	1/2	68,196	1/2	83,584	1/2	98,972	1/2	114,360	1/2	129,748	1/2	145,133
3/4	7,225	3/4	22,613	3/4	37,983	3/4	53,129	3/4	68,517	3/4	83,905	3/4	99,293	3/4	114,681	3/4	130,069	3/4	145,453
6	7,546	6	22,933	6	38,298	6	53,449	6	68,837	6	84,225	6	99,613	6	115,001	6	130,389	6	145,774
1/4	7,866	1/4	23,254	1/4	38,612	1/4	53,770	1/4	69,158	1/4	84,546	1/4	99,934	1/4	115,322	1/4	130,710	1/4	146,094
1/2	8,187	1/2	23,574	1/2	38,926	1/2	54,090	1/2	69,478	1/2	84,866	1/2	100,254	1/2	115,642	1/2	131,030	1/2	146,415
3/4	8,508	3/4	23,895	3/4	39,240	3/4	54,411	3/4	69,799	3/4	85,187	3/4	100,575	3/4	115,963	3/4	131,351	3/4	146,735
7	8,828	7	24,216	7	39,554	7	54,732	7	70,120	7	85,508	7	100,896	7	116,284	7	131,672	7	147,056
1/4	9,149	1/4	24,536	1/4	39,868	1/4	55,052	1/4	70,440	1/4	85,828	1/4	101,216	1/4	116,604	1/4	131,992	1/4	147,376
1/2	9,469	1/2	24,857	1/2	40,182	1/2	55,373	1/2	70,761	1/2	86,149	1/2	101,537	1/2	116,925	1/2	132,313	1/2	147,697
3/4	9,790	3/4	25,177	3/4	40,496	3/4	55,693	3/4	71,081	3/4	86,469	3/4	101,857	3/4	117,245	3/4	132,633	3/4	148,017
8	10,110	8	25,498	8	40,810	8	56,014	8	71,402	8	86,790	8	102,178	8	117,566	8	132,954	8	148,338
1/4	10,431	1/4	25,819	1/4	41,124	1/4	56,335	1/4	71,723	1/4	87,110	1/4	102,498	1/4	117,886	1/4	133,274	1/4	148,658
1/2	10,752	1/2	26,139	1/2	41,438	1/2	56,655	1/2	72,043	1/2	87,431	1/2	102,819	1/2	118,207	1/2	133,595	1/2	148,979
3/4	11,072	3/4	26,460	3/4	41,752	3/4	56,976	3/4	72,364	3/4	87,752	3/4	103,140	3/4	118,528	3/4	133,915	3/4	149,299
9	11,393	9	26,780	9	42,066	9	57,296	9	72,684	9	88,072	9	103,460	9	118,848	9	134,236	9	149,620
1/4	11,713	1/4	27,101	1/4	42,380	1/4	57,617	1/4	73,005	1/4	88,393	1/4	103,781	1/4	119,169	1/4	134,556	1/4	149,940
1/2	12,034	1/2	27,421	1/2	42,694	1/2	57,937	1/2	73,325	1/2	88,713	1/2	104,101	1/2	119,489	1/2	134,877	1/2	150,261
3/4	12,354	3/4	27,742	3/4	43,008	3/4	58,258	3/4	73,646	3/4	89,034	3/4	104,422	3/4	119,810	3/4	135,197	3/4	150,581
10	12,675	10	28,063	10	43,322	10	58,579	10	73,967	10	89,355	10	104,743	10	120,131	10	135,518	10	150,902
1/4	12,996	1/4	28,383	1/4	43,636	1/4	58,899	1/4	74,287	1/4	89,675	1/4	105,063	1/4	120,451	1/4	135,838	1/4	151,222
1/2	13,316	1/2	28,704	1/2	43,950	1/2	59,220	1/2	74,608	1/2	89,996	1/2	105,384	1/2	120,772	1/2	136,159	1/2	151,543
3/4	13,637	3/4	29,024	3/4	44,264	3/4	59,540	3/4	74,928	3/4	90,316	3/4	105,704	3/4	121,092	3/4	136,479	3/4	151,863
11	13,957	11	29,345	11	44,578	11	59,861	11	75,249	11	90,637	11	106,025	11	121,413	11	136,800	11	152,184
1/4	14,278	1/4	29,665	1/4	44,892	1/4	60,182	1/4	75,570	1/4	90,957	1/4	106,345	1/4	121,733	1/4	137,120	1/4	152,504
1/2	14,598	1/2	29,986	1/2	45,206	1/2	60,502	1/2	75,890	1/2	91,278	1/2	106,666	1/2	122,054	1/2	137,441	1/2	152,825
3/4	14,919	3/4	30,307	3/4	45,521	3/4	60,823	3/4	76,211	3/4	91,599	3/4	106,987	3/4	122,375	3/4	137,761	3/4	153,145

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 317"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-03 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	153,466	0	168,850	0	184,162	0	199,459	0	214,668	0		0		0		0		0	
1/4	153,786	1/4	169,171	1/4	184,481	1/4	199,778	1/4	214,975	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	154,107	1/2	169,491	1/2	184,800	1/2	200,096	1/2	215,282	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	154,427	3/4	169,812	3/4	185,118	3/4	200,415	3/4	215,589	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	154,748	1	170,132	1	185,437	1	200,734	1	215,896	1	1	1	1	1	1	1	1	1	1
1/4	155,068	1/4	170,453	1/4	185,756	1/4	201,052	1/4	216,163	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,389	1/2	170,773	1/2	186,074	1/2	201,371	1/2	216,431	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	155,709	3/4	171,094	3/4	186,393	3/4	201,690	3/4	216,698	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	156,030	2	171,414	2	186,712	2	202,008	2	216,966	2	2	2	2	2	2	2	2	2	2
1/4	156,350	1/4	171,733	1/4	187,030	1/4	202,327	1/4	217,181	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	156,671	1/2	172,052	1/2	187,349	1/2	202,646	1/2	217,396	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	156,991	3/4	172,371	3/4	187,668	3/4	202,965	3/4	217,611	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	157,312	3	172,690	3	187,987	3	203,283	3	217,826	3	3	3	3	3	3	3	3	3	3
1/4	157,633	1/4	173,009	1/4	188,305	1/4	203,602	1/4	217,988	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	157,953	1/2	173,327	1/2	188,624	1/2	203,921	1/2	218,149	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,274	3/4	173,646	3/4	188,943	3/4	204,239	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	158,594	4	173,965	4	189,261	4	204,558	4		4	4	4	4	4	4	4	4	4	4
1/4	158,915	1/4	174,283	1/4	189,580	1/4	204,877	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,235	1/2	174,602	1/2	189,899	1/2	205,195	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	159,556	3/4	174,921	3/4	190,217	3/4	205,514	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	159,876	5	175,239	5	190,536	5	205,833	5		5	5	5	5	5	5	5	5	5	5
1/4	160,197	1/4	175,558	1/4	190,855	1/4	206,151	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	160,517	1/2	175,877	1/2	191,173	1/2	206,470	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	160,838	3/4	176,195	3/4	191,492	3/4	206,789	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	161,158	6	176,514	6	191,811	6	207,107	6		6	6	6	6	6	6	6	6	6	6
1/4	161,479	1/4	176,833	1/4	192,129	1/4	207,426	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	161,799	1/2	177,151	1/2	192,448	1/2	207,745	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	162,120	3/4	177,470	3/4	192,767	3/4	208,063	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	162,440	7	177,789	7	193,085	7	208,382	7		7	7	7	7	7	7	7	7	7	7
1/4	162,761	1/4	178,107	1/4	193,404	1/4	208,698	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	163,081	1/2	178,426	1/2	193,723	1/2	209,013	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	163,402	3/4	178,745	3/4	194,041	3/4	209,329	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	163,722	8	179,063	8	194,360	8	209,644	8		8	8	8	8	8	8	8	8	8	8
1/4	164,043	1/4	179,382	1/4	194,679	1/4	209,959	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	164,363	1/2	179,701	1/2	194,997	1/2	210,274	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	164,684	3/4	180,020	3/4	195,316	3/4	210,589	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	165,004	9	180,338	9	195,635	9	210,904	9		9	9	9	9	9	9	9	9	9	9
1/4	165,325	1/4	180,657	1/4	195,954	1/4	211,219	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	165,645	1/2	180,976	1/2	196,272	1/2	211,533	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	165,966	3/4	181,294	3/4	196,591	3/4	211,848	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	166,286	10	181,613	10	196,910	10	212,163	10		10	10	10	10	10	10	10	10	10	10
1/4	166,607	1/4	181,932	1/4	197,228	1/4	212,476	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	166,927	1/2	182,250	1/2	197,547	1/2	212,790	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	167,248	3/4	182,569	3/4	197,866	3/4	213,104	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	167,568	11	182,888	11	198,184	11	213,418	11		11	11	11	11	11	11	11	11	11	11
1/4	167,889	1/4	183,206	1/4	198,503	1/4	213,730	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	168,209	1/2	183,525	1/2	198,822	1/2	214,043	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	168,530	3/4	183,844	3/4	199,140	3/4	214,356	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/04/2013 SW
CALCULATED: 12/06/2013 CL
PRINTED: 12/06/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 317"

2 STBD

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-03 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	602	0	15,240	0	30,627	0	45,729	0	61,064	0	76,452	0	91,840	0	107,228	0	122,616	0	138,003
1/4	792	1/4	15,560	1/4	30,948	1/4	46,041	1/4	61,385	1/4	76,773	1/4	92,161	1/4	107,549	1/4	122,937	1/4	138,323
1/2	982	1/2	15,881	1/2	31,268	1/2	46,353	1/2	61,706	1/2	77,094	1/2	92,482	1/2	107,870	1/2	123,258	1/2	138,644
3/4	1,173	3/4	16,201	3/4	31,589	3/4	46,666	3/4	62,026	3/4	77,414	3/4	92,802	3/4	108,190	3/4	123,578	3/4	138,964
1	1,363	1	16,522	1	31,909	1	46,978	1	62,347	1	77,735	1	93,123	1	108,511	1	123,899	1	139,285
1/4	1,633	1/4	16,842	1/4	32,230	1/4	47,296	1/4	62,667	1/4	78,055	1/4	93,443	1/4	108,831	1/4	124,219	1/4	139,605
1/2	1,904	1/2	17,163	1/2	32,551	1/2	47,614	1/2	62,988	1/2	78,376	1/2	93,764	1/2	109,152	1/2	124,540	1/2	139,926
3/4	2,174	3/4	17,484	3/4	32,871	3/4	47,932	3/4	63,308	3/4	78,696	3/4	94,084	3/4	109,472	3/4	124,860	3/4	140,246
2	2,445	2	17,804	2	33,192	2	48,250	2	63,629	2	79,017	2	94,405	2	109,793	2	125,181	2	140,567
1/4	2,759	1/4	18,125	1/4	33,512	1/4	48,568	1/4	63,950	1/4	79,338	1/4	94,726	1/4	110,114	1/4	125,502	1/4	140,887
1/2	3,073	1/2	18,445	1/2	33,833	1/2	48,887	1/2	64,270	1/2	79,658	1/2	95,046	1/2	110,434	1/2	125,822	1/2	141,208
3/4	3,387	3/4	18,766	3/4	34,153	3/4	49,206	3/4	64,591	3/4	79,979	3/4	95,367	3/4	110,755	3/4	126,143	3/4	141,528
3	3,702	3	19,086	3	34,474	3	49,524	3	64,911	3	80,299	3	95,687	3	111,075	3	126,463	3	141,849
1/4	4,022	1/4	19,407	1/4	34,788	1/4	49,845	1/4	65,232	1/4	80,620	1/4	96,008	1/4	111,396	1/4	126,784	1/4	142,169
1/2	4,342	1/2	19,728	1/2	35,102	1/2	50,165	1/2	65,553	1/2	80,941	1/2	96,329	1/2	111,717	1/2	127,105	1/2	142,490
3/4	4,662	3/4	20,048	3/4	35,416	3/4	50,485	3/4	65,873	3/4	81,261	3/4	96,649	3/4	112,037	3/4	127,425	3/4	142,810
4	4,982	4	20,369	4	35,730	4	50,806	4	66,194	4	81,582	4	96,970	4	112,358	4	127,746	4	143,131
1/4	5,302	1/4	20,689	1/4	36,043	1/4	51,126	1/4	66,514	1/4	81,902	1/4	97,290	1/4	112,678	1/4	128,066	1/4	143,451
1/2	5,623	1/2	21,010	1/2	36,356	1/2	51,447	1/2	66,835	1/2	82,223	1/2	97,611	1/2	112,999	1/2	128,387	1/2	143,772
3/4	5,943	3/4	21,330	3/4	36,669	3/4	51,768	3/4	67,155	3/4	82,543	3/4	97,931	3/4	113,319	3/4	128,707	3/4	144,092
5	6,264	5	21,651	5	36,982	5	52,088	5	67,476	5	82,864	5	98,252	5	113,640	5	129,028	5	144,413
1/4	6,584	1/4	21,972	1/4	37,295	1/4	52,409	1/4	67,797	1/4	83,185	1/4	98,573	1/4	113,961	1/4	129,349	1/4	144,733
1/2	6,905	1/2	22,292	1/2	37,607	1/2	52,729	1/2	68,117	1/2	83,505	1/2	98,893	1/2	114,281	1/2	129,669	1/2	145,054
3/4	7,225	3/4	22,613	3/4	37,920	3/4	53,050	3/4	68,438	3/4	83,826	3/4	99,214	3/4	114,602	3/4	129,990	3/4	145,374
6	7,546	6	22,933	6	38,232	6	53,370	6	68,758	6	84,146	6	99,534	6	114,922	6	130,310	6	145,695
1/4	7,866	1/4	23,254	1/4	38,544	1/4	53,691	1/4	69,079	1/4	84,467	1/4	99,855	1/4	115,243	1/4	130,631	1/4	146,015
1/2	8,187	1/2	23,574	1/2	38,857	1/2	54,012	1/2	69,400	1/2	84,788	1/2	100,176	1/2	115,564	1/2	130,952	1/2	146,336
3/4	8,508	3/4	23,895	3/4	39,169	3/4	54,332	3/4	69,720	3/4	85,108	3/4	100,496	3/4	115,884	3/4	131,272	3/4	146,656
7	8,828	7	24,216	7	39,482	7	54,653	7	70,041	7	85,429	7	100,817	7	116,205	7	131,593	7	146,977
1/4	9,149	1/4	24,536	1/4	39,794	1/4	54,973	1/4	70,361	1/4	85,749	1/4	101,137	1/4	116,525	1/4	131,913	1/4	147,297
1/2	9,469	1/2	24,857	1/2	40,106	1/2	55,294	1/2	70,682	1/2	86,070	1/2	101,458	1/2	116,846	1/2	132,234	1/2	147,618
3/4	9,790	3/4	25,177	3/4	40,419	3/4	55,614	3/4	71,002	3/4	86,390	3/4	101,778	3/4	117,166	3/4	132,554	3/4	147,938
8	10,110	8	25,498	8	40,731	8	55,935	8	71,323	8	86,711	8	102,099	8	117,487	8	132,875	8	148,259
1/4	10,431	1/4	25,819	1/4	41,043	1/4	56,256	1/4	71,644	1/4	87,032	1/4	102,420	1/4	117,808	1/4	133,195	1/4	148,580
1/2	10,752	1/2	26,139	1/2	41,356	1/2	56,576	1/2	71,964	1/2	87,352	1/2	102,740	1/2	118,128	1/2	133,516	1/2	148,900
3/4	11,072	3/4	26,460	3/4	41,668	3/4	56,897	3/4	72,285	3/4	87,673	3/4	103,061	3/4	118,449	3/4	133,836	3/4	149,221
9	11,393	9	26,780	9	41,980	9	57,217	9	72,605	9	87,993	9	103,381	9	118,769	9	134,157	9	149,541
1/4	11,713	1/4	27,101	1/4	42,293	1/4	57,538	1/4	72,926	1/4	88,314	1/4	103,702	1/4	119,090	1/4	134,477	1/4	149,862
1/2	12,034	1/2	27,421	1/2	42,605	1/2	57,859	1/2	73,247	1/2	88,635	1/2	104,023	1/2	119,411	1/2	134,798	1/2	150,182
3/4	12,354	3/4	27,742	3/4	42,917	3/4	58,179	3/4	73,567	3/4	88,955	3/4	104,343	3/4	119,731	3/4	135,118	3/4	150,503
10	12,675	10	28,063	10	43,230	10	58,500	10	73,888	10	89,276	10	104,664	10	120,052	10	135,439	10	150,823
1/4	12,996	1/4	28,383	1/4	43,542	1/4	58,820	1/4	74,208	1/4	89,596	1/4	104,984	1/4	120,372	1/4	135,759	1/4	151,144
1/2	13,316	1/2	28,704	1/2	43,855	1/2	59,141	1/2	74,529	1/2	89,917	1/2	105,305	1/2	120,693	1/2	136,080	1/2	151,464
3/4	13,637	3/4	29,024	3/4	44,167	3/4	59,461	3/4	74,849	3/4	90,237	3/4	105,625	3/4	121,013	3/4	136,400	3/4	151,785
11	13,957	11	29,345	11	44,479	11	59,782	11	75,170	11	90,558	11	105,946	11	121,334	11	136,721	11	152,105
1/4	14,278	1/4	29,665	1/4	44,792	1/4	60,103	1/4	75,491	1/4	90,879	1/4	106,267	1/4	121,655	1/4	137,041	1/4	152,426
1/2	14,598	1/2	29,986	1/2	45,104	1/2	60,423	1/2	75,811	1/2	91,199	1/2	106,587	1/2	121,975	1/2	137,362	1/2	152,746
3/4	14,919	3/4	30,307	3/4	45,416	3/4	60,744	3/4	76,132	3/4	91,520	3/4	106,908	3/4	122,296	3/4	137,682	3/4	153,067

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.

GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "CBC 317"

**2 STBD
INNAGE TABLE**

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-03 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	153,387	0	168,771	0	184,084	0	199,380	0	214,589	0		0		0		0		0	
1/4	153,708	1/4	169,092	1/4	184,402	1/4	199,699	1/4	214,896	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	154,028	1/2	169,412	1/2	184,721	1/2	200,018	1/2	215,203	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	154,349	3/4	169,733	3/4	185,040	3/4	200,336	3/4	215,510	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	154,669	1	170,053	1	185,358	1	200,655	1	215,817	1	1	1	1	1	1	1	1	1	1
1/4	154,990	1/4	170,374	1/4	185,677	1/4	200,974	1/4	216,084	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,310	1/2	170,694	1/2	185,996	1/2	201,292	1/2	216,352	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	155,631	3/4	171,015	3/4	186,314	3/4	201,611	3/4	216,619	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	155,951	2	171,335	2	186,633	2	201,930	2	216,887	2	2	2	2	2	2	2	2	2	2
1/4	156,272	1/4	171,654	1/4	186,952	1/4	202,248	1/4	217,102	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	156,592	1/2	171,973	1/2	187,270	1/2	202,567	1/2	217,317	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	156,913	3/4	172,292	3/4	187,589	3/4	202,886	3/4	217,532	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	157,233	3	172,611	3	187,908	3	203,204	3	217,747	3	3	3	3	3	3	3	3	3	3
1/4	157,554	1/4	172,930	1/4	188,226	1/4	203,523	1/4	217,909	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	157,874	1/2	173,248	1/2	188,545	1/2	203,842	1/2	218,071	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,195	3/4	173,567	3/4	188,864	3/4	204,160	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	158,515	4	173,886	4	189,182	4	204,479	4		4	4	4	4	4	4	4	4	4	4
1/4	158,836	1/4	174,204	1/4	189,501	1/4	204,798	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,156	1/2	174,523	1/2	189,820	1/2	205,116	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	159,477	3/4	174,842	3/4	190,138	3/4	205,435	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	159,797	5	175,160	5	190,457	5	205,754	5		5	5	5	5	5	5	5	5	5	5
1/4	160,118	1/4	175,479	1/4	190,776	1/4	206,072	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	160,438	1/2	175,798	1/2	191,094	1/2	206,391	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	160,759	3/4	176,116	3/4	191,413	3/4	206,710	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	161,079	6	176,435	6	191,732	6	207,029	6		6	6	6	6	6	6	6	6	6	6
1/4	161,400	1/4	176,754	1/4	192,051	1/4	207,347	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	161,720	1/2	177,073	1/2	192,369	1/2	207,666	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	162,041	3/4	177,391	3/4	192,688	3/4	207,985	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	162,361	7	177,710	7	193,007	7	208,303	7		7	7	7	7	7	7	7	7	7	7
1/4	162,682	1/4	178,029	1/4	193,325	1/4	208,619	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	163,002	1/2	178,347	1/2	193,644	1/2	208,934	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	163,323	3/4	178,666	3/4	193,963	3/4	209,250	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	163,643	8	178,985	8	194,281	8	209,566	8		8	8	8	8	8	8	8	8	8	8
1/4	163,964	1/4	179,303	1/4	194,600	1/4	209,881	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	164,284	1/2	179,622	1/2	194,919	1/2	210,196	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	164,605	3/4	179,941	3/4	195,237	3/4	210,511	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	164,925	9	180,259	9	195,556	9	210,826	9		9	9	9	9	9	9	9	9	9	9
1/4	165,246	1/4	180,578	1/4	195,875	1/4	211,140	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	165,566	1/2	180,897	1/2	196,193	1/2	211,455	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	165,887	3/4	181,215	3/4	196,512	3/4	211,769	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	166,207	10	181,534	10	196,831	10	212,084	10		10	10	10	10	10	10	10	10	10	10
1/4	166,528	1/4	181,853	1/4	197,149	1/4	212,397	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	166,848	1/2	182,171	1/2	197,468	1/2	212,711	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	167,169	3/4	182,490	3/4	197,787	3/4	213,025	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	167,489	11	182,809	11	198,105	11	213,339	11		11	11	11	11	11	11	11	11	11	11
1/4	167,810	1/4	183,127	1/4	198,424	1/4	213,652	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	168,130	1/2	183,446	1/2	198,743	1/2	213,964	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	168,451	3/4	183,765	3/4	199,061	3/4	214,277	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/04/2013 SW
CALCULATED: 12/06/2013 CL
PRINTED: 12/06/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "CBC 317"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-03 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	611	0	15,481	0	31,105	0	46,455	0	61,879	0	77,470	0	93,057	0	108,595	0	124,171	0	139,749
1/4	804	1/4	15,807	1/4	31,430	1/4	46,771	1/4	62,204	1/4	77,795	1/4	93,381	1/4	108,920	1/4	124,495	1/4	140,073
1/2	998	1/2	16,132	1/2	31,754	1/2	47,088	1/2	62,529	1/2	78,119	1/2	93,705	1/2	109,244	1/2	124,820	1/2	140,398
3/4	1,191	3/4	16,458	3/4	32,079	3/4	47,404	3/4	62,854	3/4	78,444	3/4	94,028	3/4	109,568	3/4	125,144	3/4	140,722
1	1,384	1	16,784	1	32,404	1	47,720	1	63,179	1	78,769	1	94,352	1	109,893	1	125,469	1	141,047
1/4	1,659	1/4	17,109	1/4	32,728	1/4	48,037	1/4	63,504	1/4	79,094	1/4	94,676	1/4	110,217	1/4	125,794	1/4	141,371
1/2	1,934	1/2	17,435	1/2	33,053	1/2	48,353	1/2	63,828	1/2	79,419	1/2	95,000	1/2	110,541	1/2	126,118	1/2	141,696
3/4	2,209	3/4	17,761	3/4	33,378	3/4	48,670	3/4	64,153	3/4	79,743	3/4	95,323	3/4	110,865	3/4	126,443	3/4	142,021
2	2,483	2	18,086	2	33,702	2	48,986	2	64,478	2	80,068	2	95,647	2	111,190	2	126,767	2	142,345
1/4	2,802	1/4	18,412	1/4	34,027	1/4	49,303	1/4	64,803	1/4	80,393	1/4	95,971	1/4	111,514	1/4	127,092	1/4	142,670
1/2	3,122	1/2	18,738	1/2	34,352	1/2	49,620	1/2	65,128	1/2	80,718	1/2	96,295	1/2	111,838	1/2	127,416	1/2	142,994
3/4	3,441	3/4	19,063	3/4	34,676	3/4	49,936	3/4	65,452	3/4	81,043	3/4	96,618	3/4	112,163	3/4	127,741	3/4	143,319
3	3,760	3	19,389	3	35,001	3	50,253	3	65,777	3	81,368	3	96,942	3	112,487	3	128,065	3	143,643
1/4	4,085	1/4	19,715	1/4	35,326	1/4	50,570	1/4	66,102	1/4	81,692	1/4	97,266	1/4	112,811	1/4	128,390	1/4	143,968
1/2	4,410	1/2	20,040	1/2	35,650	1/2	50,887	1/2	66,427	1/2	82,017	1/2	97,589	1/2	113,136	1/2	128,715	1/2	144,292
3/4	4,735	3/4	20,366	3/4	35,975	3/4	51,204	3/4	66,751	3/4	82,342	3/4	97,913	3/4	113,460	3/4	129,039	3/4	144,617
4	5,060	4	20,692	4	36,300	4	51,521	4	67,076	4	82,667	4	98,237	4	113,785	4	129,364	4	144,941
1/4	5,386	1/4	21,017	1/4	36,624	1/4	51,837	1/4	67,401	1/4	82,992	1/4	98,561	1/4	114,110	1/4	129,688	1/4	145,265
1/2	5,711	1/2	21,343	1/2	36,949	1/2	52,154	1/2	67,725	1/2	83,317	1/2	98,884	1/2	114,434	1/2	130,013	1/2	145,589
3/4	6,037	3/4	21,669	3/4	37,273	3/4	52,471	3/4	68,050	3/4	83,641	3/4	99,208	3/4	114,759	3/4	130,337	3/4	145,913
5	6,363	5	21,994	5	37,598	5	52,788	5	68,375	5	83,966	5	99,532	5	115,083	5	130,662	5	146,237
1/4	6,688	1/4	22,320	1/4	37,915	1/4	53,112	1/4	68,700	1/4	84,291	1/4	99,855	1/4	115,408	1/4	130,986	1/4	146,560
1/2	7,014	1/2	22,646	1/2	38,232	1/2	53,436	1/2	69,024	1/2	84,616	1/2	100,179	1/2	115,732	1/2	131,311	1/2	146,884
3/4	7,340	3/4	22,971	3/4	38,549	3/4	53,760	3/4	69,349	3/4	84,941	3/4	100,503	3/4	116,057	3/4	131,636	3/4	147,208
6	7,665	6	23,297	6	38,866	6	54,084	6	69,674	6	85,265	6	100,827	6	116,381	6	131,960	6	147,531
1/4	7,991	1/4	23,623	1/4	39,182	1/4	54,409	1/4	69,999	1/4	85,590	1/4	101,150	1/4	116,706	1/4	132,285	1/4	147,855
1/2	8,317	1/2	23,948	1/2	39,498	1/2	54,733	1/2	70,324	1/2	85,915	1/2	101,474	1/2	117,031	1/2	132,609	1/2	148,179
3/4	8,642	3/4	24,274	3/4	39,814	3/4	55,058	3/4	70,648	3/4	86,240	3/4	101,798	3/4	117,355	3/4	132,934	3/4	148,503
7	8,968	7	24,600	7	40,131	7	55,383	7	70,973	7	86,565	7	102,121	7	117,680	7	133,258	7	148,826
1/4	9,293	1/4	24,925	1/4	40,447	1/4	55,708	1/4	71,298	1/4	86,890	1/4	102,445	1/4	118,004	1/4	133,583	1/4	149,150
1/2	9,619	1/2	25,251	1/2	40,763	1/2	56,033	1/2	71,623	1/2	87,214	1/2	102,769	1/2	118,329	1/2	133,907	1/2	149,474
3/4	9,945	3/4	25,576	3/4	41,079	3/4	56,357	3/4	71,948	3/4	87,539	3/4	103,093	3/4	118,653	3/4	134,232	3/4	149,798
8	10,270	8	25,902	8	41,395	8	56,682	8	72,273	8	87,864	8	103,416	8	118,978	8	134,556	8	150,121
1/4	10,596	1/4	26,228	1/4	41,712	1/4	57,007	1/4	72,597	1/4	88,189	1/4	103,740	1/4	119,302	1/4	134,881	1/4	150,445
1/2	10,922	1/2	26,553	1/2	42,028	1/2	57,332	1/2	72,922	1/2	88,514	1/2	104,064	1/2	119,627	1/2	135,205	1/2	150,769
3/4	11,247	3/4	26,879	3/4	42,344	3/4	57,657	3/4	73,247	3/4	88,839	3/4	104,387	3/4	119,952	3/4	135,530	3/4	151,092
9	11,573	9	27,205	9	42,660	9	57,982	9	73,572	9	89,163	9	104,711	9	120,276	9	135,855	9	151,416
1/4	11,899	1/4	27,530	1/4	42,977	1/4	58,306	1/4	73,897	1/4	89,488	1/4	105,035	1/4	120,601	1/4	136,179	1/4	151,740
1/2	12,224	1/2	27,856	1/2	43,293	1/2	58,631	1/2	74,222	1/2	89,813	1/2	105,358	1/2	120,925	1/2	136,504	1/2	152,064
3/4	12,550	3/4	28,182	3/4	43,609	3/4	58,956	3/4	74,546	3/4	90,138	3/4	105,682	3/4	121,250	3/4	136,828	3/4	152,387
10	12,876	10	28,507	10	43,925	10	59,281	10	74,871	10	90,463	10	106,005	10	121,574	10	137,153	10	152,711
1/4	13,201	1/4	28,832	1/4	44,241	1/4	59,606	1/4	75,196	1/4	90,787	1/4	106,328	1/4	121,899	1/4	137,477	1/4	153,035
1/2	13,527	1/2	29,157	1/2	44,558	1/2	59,930	1/2	75,521	1/2	91,112	1/2	106,652	1/2	122,223	1/2	137,802	1/2	153,359
3/4	13,853	3/4	29,482	3/4	44,874	3/4	60,255	3/4	75,846	3/4	91,437	3/4	106,975	3/4	122,548	3/4	138,126	3/4	153,682
11	14,178	11	29,807	11	45,190	11	60,580	11	76,170	11	91,762	11	107,299	11	122,873	11	138,451	11	154,006
1/4	14,504	1/4	30,131	1/4	45,506	1/4	60,905	1/4	76,495	1/4	92,086	1/4	107,623	1/4	123,197	1/4	138,775	1/4	154,330
1/2	14,830	1/2	30,456	1/2	45,823	1/2	61,230	1/2	76,820	1/2	92,410	1/2	107,947	1/2	123,522	1/2	139,100	1/2	154,654
3/4	15,155	3/4	30,780	3/4	46,139	3/4	61,555	3/4	77,145	3/4	92,733	3/4	108,271	3/4	123,846	3/4	139,424	3/4	154,978

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "CBC 317"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-03 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	155,301	0	168,241	0	180,209	0	192,166	0	204,051	0		0		0		0		0	
1/4	155,625	1/4	168,491	1/4	180,458	1/4	192,415	1/4	204,289	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,949	1/2	168,742	1/2	180,708	1/2	192,665	1/2	204,527	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	156,273	3/4	168,992	3/4	180,957	3/4	192,914	3/4	204,765	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	156,597	1	169,243	1	181,206	1	193,163	1	205,003	1	1	1	1	1	1	1	1	1	1
1/4	156,920	1/4	169,493	1/4	181,455	1/4	193,412	1/4	205,200	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	157,244	1/2	169,743	1/2	181,704	1/2	193,661	1/2	205,398	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	157,568	3/4	169,994	3/4	181,953	3/4	193,910	3/4	205,596	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	157,892	2	170,244	2	182,202	2	194,159	2	205,794	2	2	2	2	2	2	2	2	2	2
1/4	158,216	1/4	170,494	1/4	182,451	1/4	194,408	1/4	205,939	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	158,539	1/2	170,743	1/2	182,700	1/2	194,657	1/2	206,083	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,863	3/4	170,992	3/4	182,949	3/4	194,906	3/4	206,228	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	159,187	3	171,242	3	183,199	3	195,156	3	206,373	3	3	3	3	3	3	3	3	3	3
1/4	159,447	1/4	171,491	1/4	183,448	1/4	195,405	1/4	206,463	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,706	1/2	171,740	1/2	183,697	1/2	195,654	1/2	206,554	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	159,966	3/4	171,989	3/4	183,946	3/4	195,903	3/4	206,554	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	160,225	4	172,238	4	184,195	4	196,152	4		4	4	4	4	4	4	4	4	4	4
1/4	160,476	1/4	172,487	1/4	184,444	1/4	196,401	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	160,726	1/2	172,736	1/2	184,693	1/2	196,650	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	160,977	3/4	172,985	3/4	184,942	3/4	196,899	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	161,227	5	173,234	5	185,191	5	197,148	5		5	5	5	5	5	5	5	5	5	5
1/4	161,478	1/4	173,483	1/4	185,441	1/4	197,398	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	161,728	1/2	173,733	1/2	185,690	1/2	197,647	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	161,979	3/4	173,982	3/4	185,939	3/4	197,896	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	162,229	6	174,231	6	186,188	6	198,145	6		6	6	6	6	6	6	6	6	6	6
1/4	162,480	1/4	174,480	1/4	186,437	1/4	198,394	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	162,730	1/2	174,729	1/2	186,686	1/2	198,643	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	162,981	3/4	174,978	3/4	186,935	3/4	198,892	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	163,231	7	175,227	7	187,184	7	199,141	7		7	7	7	7	7	7	7	7	7	7
1/4	163,482	1/4	175,476	1/4	187,433	1/4	199,388	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	163,732	1/2	175,725	1/2	187,682	1/2	199,635	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	163,983	3/4	175,975	3/4	187,932	3/4	199,881	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	164,233	8	176,224	8	188,181	8	200,128	8		8	8	8	8	8	8	8	8	8	8
1/4	164,484	1/4	176,473	1/4	188,430	1/4	200,374	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	164,734	1/2	176,722	1/2	188,679	1/2	200,621	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	164,984	3/4	176,971	3/4	188,928	3/4	200,867	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	165,235	9	177,220	9	189,177	9	201,113	9		9	9	9	9	9	9	9	9	9	9
1/4	165,485	1/4	177,469	1/4	189,426	1/4	201,359	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	165,736	1/2	177,718	1/2	189,675	1/2	201,604	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	165,986	3/4	177,967	3/4	189,924	3/4	201,850	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	166,237	10	178,216	10	190,174	10	202,096	10		10	10	10	10	10	10	10	10	10	10
1/4	166,487	1/4	178,466	1/4	190,423	1/4	202,341	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	166,738	1/2	178,715	1/2	190,672	1/2	202,586	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	166,988	3/4	178,964	3/4	190,921	3/4	202,831	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	167,239	11	179,213	11	191,170	11	203,076	11		11	11	11	11	11	11	11	11	11	11
1/4	167,489	1/4	179,462	1/4	191,419	1/4	203,319	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	167,740	1/2	179,711	1/2	191,668	1/2	203,563	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	167,990	3/4	179,960	3/4	191,917	3/4	203,807	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/04/2013 SW
CALCULATED: 12/06/2013 CL
PRINTED: 12/06/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "CBC 317"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	611	0	15,481	0	31,105	0	46,262	0	61,554	0	77,144	0	92,732	0	108,270	0	123,845	0	139,423
1/4	804	1/4	15,807	1/4	31,430	1/4	46,571	1/4	61,878	1/4	77,469	1/4	93,055	1/4	108,594	1/4	124,170	1/4	139,748
1/2	998	1/2	16,132	1/2	31,754	1/2	46,880	1/2	62,203	1/2	77,794	1/2	93,379	1/2	108,918	1/2	124,494	1/2	140,072
3/4	1,191	3/4	16,458	3/4	32,079	3/4	47,190	3/4	62,528	3/4	78,118	3/4	93,703	3/4	109,242	3/4	124,819	3/4	140,397
1	1,384	1	16,784	1	32,404	1	47,499	1	62,853	1	78,443	1	94,026	1	109,567	1	125,143	1	140,721
1/4	1,659	1/4	17,109	1/4	32,728	1/4	47,809	1/4	63,178	1/4	78,768	1/4	94,350	1/4	109,891	1/4	125,468	1/4	141,046
1/2	1,934	1/2	17,435	1/2	33,053	1/2	48,119	1/2	63,503	1/2	79,093	1/2	94,674	1/2	110,215	1/2	125,792	1/2	141,370
3/4	2,209	3/4	17,761	3/4	33,378	3/4	48,428	3/4	63,827	3/4	79,418	3/4	94,998	3/4	110,540	3/4	126,117	3/4	141,695
2	2,483	2	18,086	2	33,702	2	48,738	2	64,152	2	79,743	2	95,321	2	110,864	2	126,441	2	142,019
1/4	2,802	1/4	18,412	1/4	34,027	1/4	49,048	1/4	64,477	1/4	80,067	1/4	95,645	1/4	111,188	1/4	126,766	1/4	142,344
1/2	3,122	1/2	18,738	1/2	34,352	1/2	49,359	1/2	64,802	1/2	80,392	1/2	95,969	1/2	111,513	1/2	127,091	1/2	142,668
3/4	3,441	3/4	19,063	3/4	34,676	3/4	49,669	3/4	65,127	3/4	80,717	3/4	96,292	3/4	111,837	3/4	127,415	3/4	142,993
3	3,760	3	19,389	3	35,001	3	49,979	3	65,451	3	81,042	3	96,616	3	112,161	3	127,740	3	143,317
1/4	4,085	1/4	19,715	1/4	35,326	1/4	50,290	1/4	65,776	1/4	81,367	1/4	96,940	1/4	112,486	1/4	128,064	1/4	143,642
1/2	4,410	1/2	20,040	1/2	35,650	1/2	50,601	1/2	66,101	1/2	81,691	1/2	97,264	1/2	112,810	1/2	128,389	1/2	143,966
3/4	4,735	3/4	20,366	3/4	35,975	3/4	50,912	3/4	66,426	3/4	82,016	3/4	97,587	3/4	113,135	3/4	128,713	3/4	144,291
4	5,060	4	20,692	4	36,300	4	51,222	4	66,750	4	82,341	4	97,911	4	113,459	4	129,038	4	144,615
1/4	5,386	1/4	21,017	1/4	36,623	1/4	51,533	1/4	67,075	1/4	82,666	1/4	98,235	1/4	113,784	1/4	129,362	1/4	144,939
1/2	5,711	1/2	21,343	1/2	36,947	1/2	51,844	1/2	67,400	1/2	82,991	1/2	98,558	1/2	114,108	1/2	129,687	1/2	145,263
3/4	6,037	3/4	21,669	3/4	37,271	3/4	52,155	3/4	67,724	3/4	83,316	3/4	98,882	3/4	114,433	3/4	130,012	3/4	145,587
5	6,363	5	21,994	5	37,595	5	52,466	5	68,049	5	83,640	5	99,206	5	114,757	5	130,336	5	145,911
1/4	6,688	1/4	22,320	1/4	37,906	1/4	52,789	1/4	68,374	1/4	83,965	1/4	99,530	1/4	115,082	1/4	130,661	1/4	146,234
1/2	7,014	1/2	22,646	1/2	38,217	1/2	53,112	1/2	68,699	1/2	84,290	1/2	99,853	1/2	115,407	1/2	130,985	1/2	146,558
3/4	7,340	3/4	22,971	3/4	38,528	3/4	53,435	3/4	69,023	3/4	84,615	3/4	100,177	3/4	115,731	3/4	131,310	3/4	146,882
6	7,665	6	23,297	6	38,839	6	53,758	6	69,348	6	84,940	6	100,501	6	116,056	6	131,634	6	147,206
1/4	7,991	1/4	23,623	1/4	39,148	1/4	54,083	1/4	69,673	1/4	85,265	1/4	100,824	1/4	116,380	1/4	131,959	1/4	147,529
1/2	8,317	1/2	23,948	1/2	39,457	1/2	54,408	1/2	69,998	1/2	85,589	1/2	101,148	1/2	116,705	1/2	132,283	1/2	147,853
3/4	8,642	3/4	24,274	3/4	39,766	3/4	54,732	3/4	70,323	3/4	85,914	3/4	101,472	3/4	117,029	3/4	132,608	3/4	148,177
7	8,968	7	24,600	7	40,076	7	55,057	7	70,647	7	86,239	7	101,796	7	117,354	7	132,933	7	148,501
1/4	9,293	1/4	24,925	1/4	40,385	1/4	55,382	1/4	70,972	1/4	86,564	1/4	102,119	1/4	117,678	1/4	133,257	1/4	148,824
1/2	9,619	1/2	25,251	1/2	40,694	1/2	55,707	1/2	71,297	1/2	86,889	1/2	102,443	1/2	118,003	1/2	133,582	1/2	149,148
3/4	9,945	3/4	25,576	3/4	41,004	3/4	56,032	3/4	71,622	3/4	87,213	3/4	102,767	3/4	118,328	3/4	133,906	3/4	149,472
8	10,270	8	25,902	8	41,313	8	56,356	8	71,947	8	87,538	8	103,090	8	118,652	8	134,231	8	149,796
1/4	10,596	1/4	26,228	1/4	41,622	1/4	56,681	1/4	72,272	1/4	87,863	1/4	103,414	1/4	118,977	1/4	134,555	1/4	150,119
1/2	10,922	1/2	26,553	1/2	41,931	1/2	57,006	1/2	72,596	1/2	88,188	1/2	103,738	1/2	119,301	1/2	134,880	1/2	150,443
3/4	11,247	3/4	26,879	3/4	42,241	3/4	57,331	3/4	72,921	3/4	88,513	3/4	104,062	3/4	119,626	3/4	135,204	3/4	150,767
9	11,573	9	27,205	9	42,550	9	57,656	9	73,246	9	88,838	9	104,385	9	119,950	9	135,529	9	151,090
1/4	11,899	1/4	27,530	1/4	42,859	1/4	57,981	1/4	73,571	1/4	89,162	1/4	104,709	1/4	120,275	1/4	135,853	1/4	151,414
1/2	12,224	1/2	27,856	1/2	43,169	1/2	58,305	1/2	73,896	1/2	89,487	1/2	105,032	1/2	120,599	1/2	136,178	1/2	151,738
3/4	12,550	3/4	28,182	3/4	43,478	3/4	58,630	3/4	74,221	3/4	89,812	3/4	105,356	3/4	120,924	3/4	136,502	3/4	152,062
10	12,876	10	28,507	10	43,787	10	58,955	10	74,545	10	90,137	10	105,679	10	121,249	10	136,827	10	152,385
1/4	13,201	1/4	28,832	1/4	44,097	1/4	59,280	1/4	74,870	1/4	90,462	1/4	106,003	1/4	121,573	1/4	137,151	1/4	152,709
1/2	13,527	1/2	29,157	1/2	44,406	1/2	59,605	1/2	75,195	1/2	90,786	1/2	106,326	1/2	121,898	1/2	137,476	1/2	153,033
3/4	13,853	3/4	29,482	3/4	44,715	3/4	59,930	3/4	75,520	3/4	91,111	3/4	106,649	3/4	122,222	3/4	137,800	3/4	153,357
11	14,178	11	29,807	11	45,025	11	60,254	11	75,845	11	91,436	11	106,973	11	122,547	11	138,125	11	153,680
1/4	14,504	1/4	30,131	1/4	45,334	1/4	60,579	1/4	76,169	1/4	91,760	1/4	107,297	1/4	122,871	1/4	138,449	1/4	154,004
1/2	14,830	1/2	30,456	1/2	45,643	1/2	60,904	1/2	76,494	1/2	92,084	1/2	107,621	1/2	123,196	1/2	138,774	1/2	154,328
3/4	15,155	3/4	30,780	3/4	45,952	3/4	61,229	3/4	76,819	3/4	92,408	3/4	107,945	3/4	123,520	3/4	139,099	3/4	154,652

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "CBC 317"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	154,976	0	167,915	0	179,884	0	191,841	0	203,725	0		0		0		0		0	
1/4	155,299	1/4	168,165	1/4	180,133	1/4	192,090	1/4	203,963	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	155,623	1/2	168,416	1/2	180,382	1/2	192,339	1/2	204,201	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	155,947	3/4	168,666	3/4	180,631	3/4	192,588	3/4	204,439	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	156,271	1	168,917	1	180,880	1	192,837	1	204,677	1	1	1	1	1	1	1	1	1	1
1/4	156,595	1/4	169,167	1/4	181,129	1/4	193,086	1/4	204,875	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	156,918	1/2	169,418	1/2	181,378	1/2	193,335	1/2	205,072	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	157,242	3/4	169,668	3/4	181,627	3/4	193,584	3/4	205,270	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	157,566	2	169,919	2	181,876	2	193,833	2	205,468	2	2	2	2	2	2	2	2	2	2
1/4	157,890	1/4	170,168	1/4	182,125	1/4	194,082	1/4	205,613	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	158,214	1/2	170,417	1/2	182,375	1/2	194,332	1/2	205,758	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	158,537	3/4	170,666	3/4	182,624	3/4	194,581	3/4	205,902	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	158,861	3	170,916	3	182,873	3	194,830	3	206,047	3	3	3	3	3	3	3	3	3	3
1/4	159,121	1/4	171,165	1/4	183,122	1/4	195,079	1/4	206,137	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	159,380	1/2	171,414	1/2	183,371	1/2	195,328	1/2	206,228	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	159,640	3/4	171,663	3/4	183,620	3/4	195,577	3/4	206,319	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	159,900	4	171,912	4	183,869	4	195,826	4	206,410	4	4	4	4	4	4	4	4	4	4
1/4	160,150	1/4	172,161	1/4	184,118	1/4	196,075	1/4	206,501	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	160,401	1/2	172,410	1/2	184,367	1/2	196,324	1/2	206,592	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	160,651	3/4	172,659	3/4	184,617	3/4	196,574	3/4	206,683	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	160,902	5	172,909	5	184,866	5	196,823	5	206,774	5	5	5	5	5	5	5	5	5	5
1/4	161,152	1/4	173,158	1/4	185,115	1/4	197,072	1/4	206,865	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	161,403	1/2	173,407	1/2	185,364	1/2	197,321	1/2	206,956	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	161,653	3/4	173,656	3/4	185,613	3/4	197,570	3/4	207,047	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	161,903	6	173,905	6	185,862	6	197,819	6	207,138	6	6	6	6	6	6	6	6	6	6
1/4	162,154	1/4	174,154	1/4	186,111	1/4	198,068	1/4	207,229	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	162,404	1/2	174,403	1/2	186,360	1/2	198,317	1/2	207,320	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	162,655	3/4	174,652	3/4	186,609	3/4	198,566	3/4	207,411	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	162,905	7	174,901	7	186,858	7	198,815	7	207,502	7	7	7	7	7	7	7	7	7	7
1/4	163,156	1/4	175,151	1/4	187,108	1/4	199,062	1/4	207,593	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	163,406	1/2	175,400	1/2	187,357	1/2	199,309	1/2	207,684	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	163,657	3/4	175,649	3/4	187,606	3/4	199,556	3/4	207,775	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	163,907	8	175,898	8	187,855	8	199,802	8	207,866	8	8	8	8	8	8	8	8	8	8
1/4	164,158	1/4	176,147	1/4	188,104	1/4	200,049	1/4	207,957	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	164,408	1/2	176,396	1/2	188,353	1/2	200,295	1/2	208,048	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	164,659	3/4	176,645	3/4	188,602	3/4	200,541	3/4	208,139	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	164,909	9	176,894	9	188,851	9	200,787	9	208,230	9	9	9	9	9	9	9	9	9	9
1/4	165,160	1/4	177,143	1/4	189,100	1/4	201,033	1/4	208,321	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	165,410	1/2	177,392	1/2	189,350	1/2	201,279	1/2	208,412	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	165,661	3/4	177,642	3/4	189,599	3/4	201,524	3/4	208,503	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	165,911	10	177,891	10	189,848	10	201,770	10	208,594	10	10	10	10	10	10	10	10	10	10
1/4	166,162	1/4	178,140	1/4	190,097	1/4	202,015	1/4	208,685	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	166,412	1/2	178,389	1/2	190,346	1/2	202,260	1/2	208,776	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	166,662	3/4	178,638	3/4	190,595	3/4	202,505	3/4	208,867	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	166,913	11	178,887	11	190,844	11	202,750	11	208,958	11	11	11	11	11	11	11	11	11	11
1/4	167,163	1/4	179,136	1/4	191,093	1/4	202,994	1/4	209,049	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	167,414	1/2	179,385	1/2	191,342	1/2	203,237	1/2	209,140	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	167,664	3/4	179,634	3/4	191,591	3/4	203,481	3/4	209,231	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/04/2013 SW
CALCULATED: 12/06/2013 CL
PRINTED: 12/06/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "CBC 317"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 4'-06"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	100	0	257	0	412	0		0		0		0		0		0	
1/4	1	1/4	103	1/4	260	1/4	415	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	1	1/2	106	1/2	263	1/2	417	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	2	3/4	109	3/4	267	3/4	420	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	3	1	112	1	270	1	423	1	1	1	1	1	1	1	1	1	1	1	1
1/4	4	1/4	115	1/4	273	1/4	426	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	5	1/2	119	1/2	277	1/2	429	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	6	3/4	122	3/4	280	3/4	431	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	7	2	125	2	284	2	434	2	2	2	2	2	2	2	2	2	2	2	2
1/4	9	1/4	128	1/4	287	1/4	437	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	10	1/2	131	1/2	290	1/2	440	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	12	3/4	134	3/4	294	3/4	442	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	13	3	137	3	297	3	445	3	3	3	3	3	3	3	3	3	3	3	3
1/4	15	1/4	140	1/4	300	1/4	447	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	17	1/2	144	1/2	304	1/2	450	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	19	3/4	147	3/4	307	3/4	452	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	20	4	150	4	311	4	455	4	4	4	4	4	4	4	4	4	4	4	4
1/4	22	1/4	153	1/4	314	1/4	457	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	24	1/2	156	1/2	317	1/2	460	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	26	3/4	160	3/4	320	3/4	462	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	28	5	163	5	324	5	465	5	5	5	5	5	5	5	5	5	5	5	5
1/4	31	1/4	166	1/4	327	1/4	467	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	33	1/2	169	1/2	330	1/2	469	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	35	3/4	173	3/4	334	3/4	471	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	37	6	176	6	337	6	474	6	6	6	6	6	6	6	6	6	6	6	6
1/4	39	1/4	179	1/4	340	1/4	476	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	42	1/2	183	1/2	343	1/2	478	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	44	3/4	186	3/4	347	3/4	480	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	46	7	189	7	350	7	482	7	7	7	7	7	7	7	7	7	7	7	7
1/4	49	1/4	192	1/4	353	1/4	484	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	51	1/2	196	1/2	356	1/2	486	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	54	3/4	199	3/4	360	3/4	488	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	56	8	202	8	363	8	489	8	8	8	8	8	8	8	8	8	8	8	8
1/4	59	1/4	206	1/4	366	1/4	491	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	62	1/2	209	1/2	369	1/2	493	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	64	3/4	213	3/4	372	3/4	494	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	67	9	216	9	375	9	496	9	9	9	9	9	9	9	9	9	9	9	9
1/4	69	1/4	219	1/4	379	1/4	497	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72	1/2	223	1/2	382	1/2	499	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	75	3/4	226	3/4	385	3/4	500	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	78	10	229	10	388	10	502	10	10	10	10	10	10	10	10	10	10	10	10
1/4	80	1/4	233	1/4	391	1/4	502	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	83	1/2	236	1/2	394	1/2	502	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	86	3/4	240	3/4	397	3/4	502	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	89	11	243	11	400	11	502	11	11	11	11	11	11	11	11	11	11	11	11
1/4	92	1/4	246	1/4	403	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	95	1/2	250	1/2	406	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	98	3/4	253	3/4	409	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO 8" DIAMETER HATCH.

STRAPPED: 12/04/2013 SW
CALCULATED: 12/06/2013 CL
PRINTED: 12/06/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>





BARGE "CBC 317"

ULLAGE TRIM TABLE

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
1 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8
2 PORT	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4
2 STBD	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4	00-1/4	- 00-1/4
3 PORT	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8
3 STBD	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 4'-00"
 AFT DRAFT = 6'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 2 PORT IS - 00-1/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED ULLAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 258'-06"

December 6, 2013

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "CBC 317"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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0		0		0		0		0		0		0		0		0		0								210,631		194,964		179,296		163,560		147,805		132,049		116,290		1/4	1/4	1/4	1/4	1/4	1/4	210,305	1/4	194,637	1/4	178,970	1/4	163,232	1/4	147,477	1/4	131,721	1/4	115,962	1/4	1/2	1/2	1/2	1/2	1/2	1/2	209,978	1/2	194,311	1/2	178,643	1/2	162,904	1/2	147,149	1/2	131,393	1/2	115,634	1/2	3/4	3/4	3/4	3/4	3/4	3/4	209,652	3/4	193,984	3/4	178,317	3/4	162,575	3/4	146,820	3/4	131,064	3/4	115,305	3/4	1		1		1		209,326		193,658		177,990		162,247		146,492		130,736		114,977		1/4	1/4	1/4	1/4	1/4	1/4	223,576	1/4	208,999	1/4	193,332	1/4	177,664	1/4	161,919	1/4	146,164	1/4	130,408	1/4	1/2	1/2	1/2	1/2	1/2	1/2	223,410	1/2	208,673	1/2	193,005	1/2	177,338	1/2	161,591	1/2	145,836	1/2	130,079	1/2	3/4	3/4	3/4	3/4	3/4	3/4	223,244	3/4	208,346	3/4	192,679	3/4	177,011	3/4	161,263	3/4	145,507	3/4	129,751	3/4	2		2		2		223,024		208,020		192,352		176,685		145,179		129,423		113,664		1/4	1/4	1/4	1/4	1/4	1/4	222,804	1/4	207,693	1/4	192,026	1/4	176,358	1/4	160,606	1/4	144,851	1/4	129,094	1/4	1/2	1/2	1/2	1/2	1/2	1/2	222,583	1/2	207,367	1/2	191,700	1/2	176,031	1/2	160,278	1/2	144,523	1/2	128,766	1/2	3/4	3/4	3/4	3/4	3/4	3/4	222,363	3/4	207,041	3/4	191,373	3/4	175,705	3/4	159,950	3/4	144,194	3/4	128,438	3/4	3		3		3		222,089		206,714		191,047		175,376		159,621		143,866		128,109		1/4	1/4	1/4	1/4	1/4	1/4	221,815	1/4	206,388	1/4	190,720	1/4	175,048	1/4	159,293	1/4	143,538	1/4	127,781	1/4	1/2	1/2	1/2	1/2	1/2	1/2	221,541	1/2	206,061	1/2	190,394	1/2	174,720	1/2	158,965	1/2	143,210	1/2	127,453	1/2	3/4	3/4	3/4	3/4	3/4	3/4	221,267	3/4	205,735	3/4	190,068	3/4	174,392	3/4	158,637	3/4	142,882	3/4	127,125	3/4	4		4		4		220,952		205,409		189,741		174,064		158,308		142,553		126,796		1/4	1/4	1/4	1/4	1/4	1/4	220,638	1/4	205,082	1/4	189,415	1/4	173,735	1/4	157,980	1/4	142,225	1/4	126,468	1/4	1/2	1/2	1/2	1/2	1/2	1/2	220,323	1/2	204,756	1/2	189,088	1/2	173,407	1/2	157,652	1/2	141,897	1/2	126,140	1/2	3/4	3/4	3/4	3/4	3/4	3/4	220,009	3/4	204,429	3/4	188,762	3/4	173,079	3/4	157,324	3/4	141,569	3/4	125,811	3/4	5		5		5		219,689		204,103		188,435		172,751		156,996		141,240		125,483		1/4	1/4	1/4	1/4	1/4	1/4	219,368	1/4	203,777	1/4	188,109	1/4	172,422	1/4	156,667	1/4	140,912	1/4	125,155	1/4	1/2	1/2	1/2	1/2	1/2	1/2	219,048	1/2	203,450	1/2	187,783	1/2	172,094	1/2	156,339	1/2	140,584	1/2	124,826	1/2	3/4	3/4	3/4	3/4	3/4	3/4	218,728	3/4	203,124	3/4	187,456	3/4	171,766	3/4	156,011	3/4	140,256	3/4	124,498	3/4	6		6		6		218,406		202,797		187,130		171,438		155,683		139,927		124,170		1/4	1/4	1/4	1/4	1/4	1/4	218,085	1/4	202,471	1/4	186,803	1/4	171,109	1/4	155,354	1/4	139,599	1/4	123,841	1/4	1/2	1/2	1/2	1/2	1/2	1/2	217,763	1/2	202,145	1/2	186,477	1/2	170,781	1/2	155,026	1/2	139,271	1/2	123,513	1/2	3/4	3/4	3/4	3/4	3/4	3/4	217,442	3/4	201,818	3/4	186,151	3/4	170,453	3/4	154,698	3/4	138,943	3/4	123,185	3/4	7		7		7		217,120		201,492		185,824		170,125		154,370		138,615		122,857		1/4	1/4	1/4	1/4	1/4	1/4	216,797	1/4	201,165	1/4	185,498	1/4	169,797	1/4	154,041	1/4	138,286	1/4	122,528	1/4	1/2	1/2	1/2	1/2	1/2	1/2	216,475	1/2	200,839	1/2	185,171	1/2	169,468	1/2	153,713	1/2	137,958	1/2	122,200	1/2	3/4	3/4	3/4	3/4	3/4	3/4	216,153	3/4	200,513	3/4	184,845	3/4	169,140	3/4	153,385	3/4	137,630	3/4	121,872	3/4	8		8		8		215,830		200,186		184,519		168,812		153,057		137,302		121,543		1/4	1/4	1/4	1/4	1/4	1/4	215,507	1/4	199,860	1/4	184,192	1/4	168,484	1/4	152,729	1/4	136,973	1/4	121,215	1/4	1/2	1/2	1/2	1/2	1/2	1/2	215,185	1/2	199,533	1/2	183,866	1/2	168,155	1/2	152,400	1/2	136,645	1/2	120,887	1/2	3/4	3/4	3/4	3/4	3/4	3/4	214,862	3/4	199,207	3/4	183,539	3/4	167,827	3/4	152,072	3/4	136,317	3/4	120,558	3/4	9		9		9		214,539		198,881		183,213		167,499		151,744		135,989		120,230		1/4	1/4	1/4	1/4	1/4	1/4	214,215	1/4	198,554	1/4	182,887	1/4	167,171	1/4	151,416	1/4	135,660	1/4	119,902	1/4	1/2	1/2	1/2	1/2	1/2	1/2	213,892	1/2	198,228	1/2	182,560	1/2	166,842	1/2	151,087	1/2	135,332	1/2	119,573	1/2	3/4	3/4	3/4	3/4	3/4	3/4	213,569	3/4	197,901	3/4	182,234	3/4	166,514	3/4	150,759	3/4	135,004	3/4	119,245	3/4	10		10		10		213,242		197,575		181,907		166,186		150,431		134,676		118,917		1/4	1/4	1/4	1/4	1/4	1/4	212,916	1/4	197,248	1/4	181,581	1/4	165,858	1/4	150,103	1/4	134,347	1/4	118,588	1/4	1/2	1/2	1/2	1/2	1/2	1/2	212,590	1/2	196,922	1/2	181,255	1/2	165,530	1/2	149,774	1/2	134,019	1/2	118,260	1/2	3/4	3/4	3/4	3/4	3/4	3/4	212,263	3/4	196,596	3/4	180,928	3/4	165,201	3/4	149,446	3/4	133,691	3/4	117,932	3/4	11		11		11		211,937		196,269		180,602		164,873		149,118		133,362		117,604		1/4	1/4	1/4	1/4	1/4	1/4	211,610	1/4	195,943	1/4	180,275	1/4	164,545	1/4	148,790	1/4	133,034	1/4	117,275	1/4	1/2	1/2	1/2	1/2	1/2	1/2	211,284	1/2	195,616	1/2	179,949	1/2	164,217	1/2	148,461	1/2	132,706	1/2	116,947	1/2	3/4	3/4	3/4	3/4	3/4	3/4	210,958	3/4	195,290	3/4	179,623	3/4	163,888	3/4	148,133	3/4	132,377	3/4	116,619	3/4
						210,631		194,964		179,296		163,560		147,805		132,049		116,290		1/4	1/4	1/4	1/4	1/4	1/4	210,305	1/4	194,637	1/4	178,970	1/4	163,232	1/4	147,477	1/4	131,721	1/4	115,962	1/4	1/2	1/2	1/2	1/2	1/2	1/2	209,978	1/2	194,311	1/2	178,643	1/2	162,904	1/2	147,149	1/2	131,393	1/2	115,634	1/2	3/4	3/4	3/4	3/4	3/4	3/4	209,652	3/4	193,984	3/4	178,317	3/4	162,575	3/4	146,820	3/4	131,064	3/4	115,305	3/4	1		1		1		209,326		193,658		177,990		162,247		146,492		130,736		114,977		1/4	1/4	1/4	1/4	1/4	1/4	223,576	1/4	208,999	1/4	193,332	1/4	177,664	1/4	161,919	1/4	146,164	1/4	130,408	1/4	1/2	1/2	1/2	1/2	1/2	1/2	223,410	1/2	208,673	1/2	193,005	1/2	177,338	1/2	161,591	1/2	145,836	1/2	130,079	1/2	3/4	3/4	3/4	3/4	3/4	3/4	223,244	3/4	208,346	3/4	192,679	3/4	177,011	3/4	161,263	3/4	145,507	3/4	129,751	3/4	2		2		2		223,024		208,020		192,352		176,685		145,179		129,423		113,664		1/4	1/4	1/4	1/4	1/4	1/4	222,804	1/4	207,693	1/4	192,026	1/4	176,358	1/4	160,606	1/4	144,851	1/4	129,094	1/4	1/2	1/2	1/2	1/2	1/2	1/2	222,583	1/2	207,367	1/2	191,700	1/2	176,031	1/2	160,278	1/2	144,523	1/2	128,766	1/2	3/4	3/4	3/4	3/4	3/4	3/4	222,363	3/4	207,041	3/4	191,373	3/4	175,705	3/4	159,950	3/4	144,194	3/4	128,438	3/4	3		3		3		222,089		206,714		191,047		175,376		159,621		143,866		128,109		1/4	1/4	1/4	1/4	1/4	1/4	221,815	1/4	206,388	1/4	190,720	1/4	175,048	1/4	159,293	1/4	143,538	1/4	127,781	1/4	1/2	1/2	1/2	1/2	1/2	1/2	221,541	1/2	206,061	1/2	190,394	1/2	174,720	1/2	158,965	1/2	143,210	1/2	127,453	1/2	3/4	3/4	3/4	3/4	3/4	3/4	221,267	3/4	205,735	3/4	190,068	3/4	174,392	3/4	158,637	3/4	142,882	3/4	127,125	3/4	4		4		4		220,952		205,409		189,741		174,064		158,308		142,553		126,796		1/4	1/4	1/4	1/4	1/4	1/4	220,638	1/4	205,082	1/4	189,415	1/4	173,735	1/4	157,980	1/4	142,225	1/4	126,468	1/4	1/2	1/2	1/2	1/2	1/2	1/2	220,323	1/2	204,756	1/2	189,088	1/2	173,407	1/2	157,652	1/2	141,897	1/2	126,140	1/2	3/4	3/4	3/4	3/4	3/4	3/4	220,009	3/4	204,429	3/4	188,762	3/4	173,079	3/4	157,324	3/4	141,569	3/4	125,811	3/4	5		5		5		219,689		204,103		188,435		172,751		156,996		141,240		125,483		1/4	1/4	1/4	1/4	1/4	1/4	219,368	1/4	203,777	1/4	188,109	1/4	172,422	1/4	156,667	1/4	140,912	1/4	125,155	1/4	1/2	1/2	1/2	1/2	1/2	1/2	219,048	1/2	203,450	1/2	187,783	1/2	172,094	1/2	156,339	1/2	140,584	1/2	124,826	1/2	3/4	3/4	3/4	3/4	3/4	3/4	218,728	3/4	203,124	3/4	187,456	3/4	171,766	3/4	156,011	3/4	140,256	3/4	124,498	3/4	6		6		6		218,406		202,797		187,130		171,438		155,683		139,927		124,170		1/4	1/4	1/4	1/4	1/4	1/4	218,085	1/4	202,471	1/4	186,803	1/4	171,109	1/4	155,354	1/4	139,599	1/4	123,841	1/4	1/2	1/2	1/2	1/2	1/2	1/2	217,763	1/2	202,145	1/2	186,477	1/2	170,781	1/2	155,026	1/2	139,271	1/2	123,513	1/2	3/4	3/4	3/4	3/4	3/4	3/4	217,442	3/4	201,818	3/4	186,151	3/4	170,453	3/4	154,698	3/4	138,943	3/4	123,185	3/4	7		7		7		217,120		201,492		185,824		170,125		154,370		138,615		122,857		1/4	1/4	1/4	1/4	1/4	1/4	216,797	1/4	201,165	1/4	185,498	1/4	169,797	1/4	154,041	1/4	138,286	1/4	122,528	1/4	1/2	1/2	1/2	1/2	1/2	1/2	216,475	1/2	200,839	1/2	185,171	1/2	169,468	1/2	153,713	1/2	137,958	1/2	122,200	1/2	3/4	3/4	3/4	3/4	3/4	3/4	216,153	3/4	200,513	3/4	184,845	3/4	169,140	3/4	153,385	3/4	137,630	3/4	121,872	3/4	8		8		8		215,830		200,186		184,519		168,812		153,057		137,302		121,543		1/4	1/4	1/4	1/4	1/4	1/4	215,507	1/4	199,860	1/4	184,192	1/4	168,484	1/4	152,729	1/4	136,973	1/4	121,215	1/4	1/2	1/2	1/2	1/2	1/2	1/2	215,185	1/2	199,533	1/2	183,866	1/2	168,155	1/2	152,400	1/2	136,645	1/2	120,887	1/2	3/4	3/4	3/4	3/4	3/4	3/4	214,862	3/4	199,207	3/4	183,539	3/4	167,827	3/4	152,072	3/4	136,317	3/4	120,558	3/4	9		9		9		214,539		198,881		183,213		167,499		151,744		135,989		120,230		1/4	1/4	1/4	1/4	1/4	1/4	214,215	1/4	198,554	1/4	182,887	1/4	167,171	1/4	151,416	1/4	135,660	1/4	119,902	1/4	1/2	1/2	1/2	1/2	1/2	1/2	213,892	1/2	198,228	1/2	182,560	1/2	166,842	1/2	151,087	1/2	135,332	1/2	119,573	1/2	3/4	3/4	3/4	3/4	3/4	3/4	213,569	3/4	197,901	3/4	182,234	3/4	166,514	3/4	150,759	3/4	135,004	3/4	119,245	3/4	10		10		10		213,242		197,575		181,907		166,186		150,431		134,676		118,917		1/4	1/4	1/4	1/4	1/4	1/4	212,916	1/4	197,248	1/4	181,581	1/4	165,858	1/4	150,103	1/4	134,347	1/4	118,588	1/4	1/2	1/2	1/2	1/2	1/2	1/2	212,590	1/2	196,922	1/2	181,255	1/2	165,530	1/2	149,774	1/2	134,019	1/2	118,260	1/2	3/4	3/4	3/4	3/4	3/4	3/4	212,263	3/4	196,596	3/4	180,928	3/4	165,201	3/4	149,446	3/4	133,691	3/4	117,932	3/4	11		11		11		211,937		196,269		180,602		164,873		149,118		133,362		117,604		1/4	1/4	1/4	1/4	1/4	1/4	211,610	1/4	195,943	1/4	180,275	1/4	164,545	1/4	148,790	1/4	133,034	1/4	117,275	1/4	1/2	1/2	1/2	1/2	1/2	1/2	211,284	1/2	195,616	1/2	179,949	1/2	164,217	1/2	148,461	1/2	132,706	1/2	116,947	1/2	3/4	3/4	3/4	3/4	3/4	3/4	210,958	3/4	195,290	3/4	179,623	3/4	163,888	3/4	148,133	3/4	132,377	3/4	116,619	3/4																				
1/4	1/4	1/4	1/4	1/4	1/4	210,305	1/4	194,637	1/4	178,970	1/4	163,232	1/4	147,477	1/4	131,721	1/4	115,962	1/4	1/2	1/2	1/2	1/2	1/2	1/2	209,978	1/2	194,311	1/2	178,643	1/2	162,904	1/2	147,149	1/2	131,393	1/2	115,634	1/2	3/4	3/4	3/4	3/4	3/4	3/4	209,652	3/4	193,984	3/4	178,317	3/4	162,575	3/4	146,820	3/4	131,064	3/4	115,305	3/4	1		1		1		209,326		193,658		177,990		162,247		146,492		130,736		114,977		1/4	1/4	1/4	1/4	1/4	1/4	223,576	1/4	208,999	1/4	193,332	1/4	177,664	1/4	161,919	1/4	146,164	1/4	130,408	1/4	1/2	1/2	1/2	1/2	1/2	1/2	223,410	1/2	208,673	1/2	193,005	1/2	177,338	1/2	161,591	1/2	145,836	1/2	130,079	1/2	3/4	3/4	3/4	3/4	3/4	3/4	223,244	3/4	208,346	3/4	192,679	3/4	177,011	3/4	161,263	3/4	145,507	3/4	129,751	3/4	2		2		2		223,024		208,020		192,352		176,685		145,179		129,423		113,664		1/4	1/4	1/4	1/4	1/4	1/4	222,804	1/4	207,693	1/4	192,026	1/4	176,358	1/4	160,606	1/4	144,851	1/4	129,094	1/4	1/2	1/2	1/2	1/2	1/2	1/2	222,583	1/2	207,367	1/2	191,700	1/2	176,031	1/2	160,278	1/2	144,523	1/2	128,766	1/2	3/4	3/4	3/4	3/4	3/4	3/4	222,363	3/4	207,041	3/4	191,373	3/4	175,705	3/4	159,950	3/4	144,194	3/4	128,438	3/4	3		3		3		222,089		206,714		191,047		175,376		159,621		143,866		128,109		1/4	1/4	1/4	1/4	1/4	1/4	221,815	1/4	206,388	1/4	190,720	1/4	175,048	1/4	159,293	1/4	143,538	1/4	127,781	1/4	1/2	1/2	1/2	1/2	1/2	1/2	221,541	1/2	206,061	1/2	190,394	1/2	174,720	1/2	158,965	1/2	143,210	1/2	127,453	1/2	3/4	3/4	3/4	3/4	3/4	3/4	221,267	3/4	205,735	3/4	190,068	3/4	174,392	3/4	158,637	3/4	142,882	3/4	127,125	3/4	4		4		4		220,952		205,409		189,741		174,064		158,308		142,553		126,796		1/4	1/4	1/4	1/4	1/4	1/4	220,638	1/4	205,082	1/4	189,415	1/4	173,735	1/4	157,980	1/4	142,225	1/4	126,468	1/4	1/2	1/2	1/2	1/2	1/2	1/2	220,323	1/2	204,756	1/2	189,088	1/2	173,407	1/2	157,652	1/2	141,897	1/2	126,140	1/2	3/4	3/4	3/4	3/4	3/4	3/4	220,009	3/4	204,429	3/4	188,762	3/4	173,079	3/4	157,324	3/4	141,569	3/4	125,811	3/4	5		5		5		219,689		204,103		188,435		172,751		156,996		141,240		125,483		1/4	1/4	1/4	1/4	1/4	1/4	219,368	1/4	203,777	1/4	188,109	1/4	172,422	1/4	156,667	1/4	140,912	1/4	125,155	1/4	1/2	1/2	1/2	1/2	1/2	1/2	219,048	1/2	203,450	1/2	187,783	1/2	172,094	1/2	156,339	1/2	140,584	1/2	124,826	1/2	3/4	3/4	3/4	3/4	3/4	3/4	218,728	3/4	203,124	3/4	187,456	3/4	171,766	3/4	156,011	3/4	140,256	3/4	124,498	3/4	6		6		6		218,406		202,797		187,130		171,438		155,683		139,927		124,170		1/4	1/4	1/4	1/4	1/4	1/4	218,085	1/4	202,471	1/4	186,803	1/4	171,109	1/4	155,354	1/4	139,599	1/4	123,841	1/4	1/2	1/2	1/2	1/2	1/2	1/2	217,763	1/2	202,145	1/2	186,477	1/2	170,781	1/2	155,026	1/2	139,271	1/2	123,513	1/2	3/4	3/4	3/4	3/4	3/4	3/4	217,442	3/4	201,818	3/4	186,151	3/4	170,453	3/4	154,698	3/4	138,943	3/4	123,185	3/4	7		7		7		217,120		201,492		185,824		170,125		154,370		138,615		122,857		1/4	1/4	1/4	1/4	1/4	1/4	216,797	1/4	201,165	1/4	185,498	1/4	169,797	1/4	154,041	1/4	138,286	1/4	122,528	1/4	1/2	1/2	1/2	1/2	1/2	1/2	216,475	1/2	200,839	1/2	185,171	1/2	169,468	1/2	153,713	1/2	137,958	1/2	122,200	1/2	3/4	3/4	3/4	3/4	3/4	3/4	216,153	3/4	200,513	3/4	184,845	3/4	169,140	3/4	153,385	3/4	137,630	3/4	121,872	3/4	8		8		8		215,830		200,186		184,519		168,812		153,057		137,302		121,543		1/4	1/4	1/4	1/4	1/4	1/4	215,507	1/4	199,860	1/4	184,192	1/4	168,484	1/4	152,729	1/4	136,973	1/4	121,215	1/4	1/2	1/2	1/2	1/2	1/2	1/2	215,185	1/2	199,533	1/2	183,866	1/2	168,155	1/2	152,400	1/2	136,645	1/2	120,887	1/2	3/4	3/4	3/4	3/4	3/4	3/4	214,862	3/4	199,207	3/4	183,539	3/4	167,827	3/4	152,072	3/4	136,317	3/4	120,558	3/4	9		9		9		214,539		198,881		183,213		167,499		151,744		135,989		120,230		1/4	1/4	1/4	1/4	1/4	1/4	214,215	1/4	198,554	1/4	182,887	1/4	167,171	1/4	151,416	1/4	135,660	1/4	119,902	1/4	1/2	1/2	1/2	1/2	1/2	1/2	213,892	1/2	198,228	1/2	182,560	1/2	166,842	1/2	151,087	1/2	135,332	1/2	119,573	1/2	3/4	3/4	3/4	3/4	3/4	3/4	213,569	3/4	197,901	3/4	182,234	3/4	166,514	3/4	150,759	3/4	135,004	3/4	119,245	3/4	10		10		10		213,242		197,575		181,907		166,186		150,431		134,676		118,917		1/4	1/4	1/4	1/4	1/4	1/4	212,916	1/4	197,248	1/4	181,581	1/4	165,858	1/4	150,103	1/4	134,347	1/4	118,588	1/4	1/2	1/2	1/2	1/2	1/2	1/2	212,590	1/2	196,922	1/2	181,255	1/2	165,530	1/2	149,774	1/2	134,019	1/2	118,260	1/2	3/4	3/4	3/4	3/4	3/4	3/4	212,263	3/4	196,596	3/4	180,928	3/4	165,201	3/4	149,446	3/4	133,691	3/4	117,932	3/4	11		11		11		211,937		196,269		180,602		164,873		149,118		133,362		117,604		1/4	1/4	1/4	1/4	1/4	1/4	211,610	1/4	195,943	1/4	180,275	1/4	164,545	1/4	148,790	1/4	133,034	1/4	117,275	1/4	1/2	1/2	1/2	1/2	1/2	1/2	211,284	1/2	195,616	1/2	179,949	1/2	164,217	1/2	148,461	1/2	132,706	1/2	116,947	1/2	3/4	3/4	3/4	3/4	3/4	3/4	210,958	3/4	195,290	3/4	179,623	3/4	163,888	3/4	148,133	3/4	132,377	3/4	116,619	3/4																																								
1/2	1/2	1/2	1/2	1/2	1/2	209,978	1/2	194,311	1/2	178,643	1/2	162,904	1/2	147,149	1/2	131,393	1/2	115,634	1/2	3/4	3/4	3/4	3/4	3/4	3/4	209,652	3/4	193,984	3/4	178,317	3/4	162,575	3/4	146,820	3/4	131,064	3/4	115,305	3/4	1		1		1		209,326		193,658		177,990		162,247		146,492		130,736		114,977		1/4	1/4	1/4	1/4	1/4	1/4	223,576	1/4	208,999	1/4	193,332	1/4	177,664	1/4	161,919	1/4	146,164	1/4	130,408	1/4	1/2	1/2	1/2	1/2	1/2	1/2	223,410	1/2	208,673	1/2	193,005	1/2	177,338	1/2	161,591	1/2	145,836	1/2	130,079	1/2	3/4	3/4	3/4	3/4	3/4	3/4	223,244	3/4	208,346	3/4	192,679	3/4	177,011	3/4	161,263	3/4	145,507	3/4	129,751	3/4	2		2		2		223,024		208,020		192,352		176,685		145,179		129,423		113,664		1/4	1/4	1/4	1/4	1/4	1/4	222,804	1/4	207,693	1/4	192,026	1/4	176,358	1/4	160,606	1/4	144,851	1/4	129,094	1/4	1/2	1/2	1/2	1/2	1/2	1/2	222,583	1/2	207,367	1/2	191,700	1/2	176,031	1/2	160,278	1/2	144,523	1/2	128,766	1/2	3/4	3/4	3/4	3/4	3/4	3/4	222,363	3/4	207,041	3/4	191,373	3/4	175,705	3/4	159,950	3/4	144,194	3/4	128,438	3/4	3		3		3		222,089		206,714		191,047		175,376		159,621		143,866		128,109		1/4	1/4	1/4	1/4	1/4	1/4	221,815	1/4	206,388	1/4	190,720	1/4	175,048	1/4	159,293	1/4	143,538	1/4	127,781	1/4	1/2	1/2	1/2	1/2	1/2	1/2	221,541	1/2	206,061	1/2	190,394	1/2	174,720	1/2	158,965	1/2	143,210	1/2	127,453	1/2	3/4	3/4	3/4	3/4	3/4	3/4	221,267	3/4	205,735	3/4	190,068	3/4	174,392	3/4	158,637	3/4	142,882	3/4	127,125	3/4	4		4		4		220,952		205,409		189,741		174,064		158,308		142,553		126,796		1/4	1/4	1/4	1/4	1/4	1/4	220,638	1/4	205,082	1/4	189,415	1/4	173,735	1/4	157,980	1/4	142,225	1/4	126,468	1/4	1/2	1/2	1/2	1/2	1/2	1/2	220,323	1/2	204,756	1/2	189,088	1/2	173,407	1/2	157,652	1/2	141,897	1/2	126,140	1/2	3/4	3/4	3/4	3/4	3/4	3/4	220,009	3/4	204,429	3/4	188,762	3/4	173,079	3/4	157,324	3/4	141,569	3/4	125,811	3/4	5		5		5		219,689		204,103		188,435		172,751		156,996		141,240		125,483		1/4	1/4	1/4	1/4	1/4	1/4	219,368	1/4	203,777	1/4	188,109	1/4	172,422	1/4	156,667	1/4	140,912	1/4	125,155	1/4	1/2	1/2	1/2	1/2	1/2	1/2	219,048	1/2	203,450	1/2	187,783	1/2	172,094	1/2	156,339	1/2	140,584	1/2	124,826	1/2	3/4	3/4	3/4	3/4	3/4	3/4	218,728	3/4	203,124	3/4	187,456	3/4	171,766	3/4	156,011	3/4	140,256	3/4	124,498	3/4	6		6		6		218,406		202,797		187,130		171,438		155,683		139,927		124,170		1/4	1/4	1/4	1/4	1/4	1/4	218,085	1/4	202,471	1/4	186,803	1/4	171,109	1/4	155,354	1/4	139,599	1/4	123,841	1/4	1/2	1/2	1/2	1/2	1/2	1/2	217,763	1/2	202,145	1/2	186,477	1/2	170,781	1/2	155,026	1/2	139,271	1/2	123,513	1/2	3/4	3/4	3/4	3/4	3/4	3/4	217,442	3/4	201,818	3/4	186,151	3/4	170,453	3/4	154,698	3/4	138,943	3/4	123,185	3/4	7		7		7		217,120		201,492		185,824		170,125		154,370		138,615		122,857		1/4	1/4	1/4	1/4	1/4	1/4	216,797	1/4	201,165	1/4	185,498	1/4	169,797	1/4	154,041	1/4	138,286	1/4	122,528	1/4	1/2	1/2	1/2	1/2	1/2	1/2	216,475	1/2	200,839	1/2	185,171	1/2	169,468	1/2	153,713	1/2	137,958	1/2	122,200	1/2	3/4	3/4	3/4	3/4	3/4	3/4	216,153	3/4	200,513	3/4	184,845	3/4	169,140	3/4	153,385	3/4	137,630	3/4	121,872	3/4	8		8		8		215,830		200,186		184,519		168,812		153,057		137,302		121,543		1/4	1/4	1/4	1/4	1/4	1/4	215,507	1/4	199,860	1/4	184,192	1/4	168,484	1/4	152,729	1/4	136,973	1/4	121,215	1/4	1/2	1/2	1/2	1/2	1/2	1/2	215,185	1/2	199,533	1/2	183,866	1/2	168,155	1/2	152,400	1/2	136,645	1/2	120,887	1/2	3/4	3/4	3/4	3/4	3/4	3/4	214,862	3/4	199,207	3/4	183,539	3/4	167,827	3/4	152,072	3/4	136,317	3/4	120,558	3/4	9		9		9		214,539		198,881		183,213		167,499		151,744		135,989		120,230		1/4	1/4	1/4	1/4	1/4	1/4	214,215	1/4	198,554	1/4	182,887	1/4	167,171	1/4	151,416	1/4	135,660	1/4	119,902	1/4	1/2	1/2	1/2	1/2	1/2	1/2	213,892	1/2	198,228	1/2	182,560	1/2	166,842	1/2	151,087	1/2	135,332	1/2	119,573	1/2	3/4	3/4	3/4	3/4	3/4	3/4	213,569	3/4	197,901	3/4	182,234	3/4	166,514	3/4	150,759	3/4	135,004	3/4	119,245	3/4	10		10		10		213,242		197,575		181,907		166,186		150,431		134,676		118,917		1/4	1/4	1/4	1/4	1/4	1/4	212,916	1/4	197,248	1/4	181,581	1/4	165,858	1/4	150,103	1/4	134,347	1/4	118,588	1/4	1/2	1/2	1/2	1/2	1/2	1/2	212,590	1/2	196,922	1/2	181,255	1/2	165,530	1/2	149,774	1/2	134,019	1/2	118,260	1/2	3/4	3/4	3/4	3/4	3/4	3/4	212,263	3/4	196,596	3/4	180,928	3/4	165,201	3/4	149,446	3/4	133,691	3/4	117,932	3/4	11		11		11		211,937		196,269		180,602		164,873		149,118		133,362		117,604		1/4	1/4	1/4	1/4	1/4	1/4	211,610	1/4	195,943	1/4	180,275	1/4	164,545	1/4	148,790	1/4	133,034	1/4	117,275	1/4	1/2	1/2	1/2	1/2	1/2	1/2	211,284	1/2	195,616	1/2	179,949	1/2	164,217	1/2	148,461	1/2	132,706	1/2	116,947	1/2	3/4	3/4	3/4	3/4	3/4	3/4	210,958	3/4	195,290	3/4	179,623	3/4	163,888	3/4	148,133	3/4	132,377	3/4	116,619	3/4																																																												
3/4	3/4	3/4	3/4	3/4	3/4	209,652	3/4	193,984	3/4	178,317	3/4	162,575	3/4	146,820	3/4	131,064	3/4	115,305	3/4	1		1		1		209,326		193,658		177,990		162,247		146,492		130,736		114,977		1/4	1/4	1/4	1/4	1/4	1/4	223,576	1/4	208,999	1/4	193,332	1/4	177,664	1/4	161,919	1/4	146,164	1/4	130,408	1/4	1/2	1/2	1/2	1/2	1/2	1/2	223,410	1/2	208,673	1/2	193,005	1/2	177,338	1/2	161,591	1/2	145,836	1/2	130,079	1/2	3/4	3/4	3/4	3/4	3/4	3/4	223,244	3/4	208,346	3/4	192,679	3/4	177,011	3/4	161,263	3/4	145,507	3/4	129,751	3/4	2		2		2		223,024		208,020		192,352		176,685		145,179		129,423		113,664		1/4	1/4	1/4	1/4	1/4	1/4	222,804	1/4	207,693	1/4	192,026	1/4	176,358	1/4	160,606	1/4	144,851	1/4	129,094	1/4	1/2	1/2	1/2	1/2	1/2	1/2	222,583	1/2	207,367	1/2	191,700	1/2	176,031	1/2	160,278	1/2	144,523	1/2	128,766	1/2	3/4	3/4	3/4	3/4	3/4	3/4	222,363	3/4	207,041	3/4	191,373	3/4	175,705	3/4	159,950	3/4	144,194	3/4	128,438	3/4	3		3		3		222,089		206,714		191,047		175,376		159,621		143,866		128,109		1/4	1/4	1/4	1/4	1/4	1/4	221,815	1/4	206,388	1/4	190,720	1/4	175,048	1/4	159,293	1/4	143,538	1/4	127,781	1/4	1/2	1/2	1/2	1/2	1/2	1/2	221,541	1/2	206,061	1/2	190,394	1/2	174,720	1/2	158,965	1/2	143,210	1/2	127,453	1/2	3/4	3/4	3/4	3/4	3/4	3/4	221,267	3/4	205,735	3/4	190,068	3/4	174,392	3/4	158,637	3/4	142,882	3/4	127,125	3/4	4		4		4		220,952		205,409		189,741		174,064		158,308		142,553		126,796		1/4	1/4	1/4	1/4	1/4	1/4	220,638	1/4	205,082	1/4	189,415	1/4	173,735	1/4	157,980	1/4	142,225	1/4	126,468	1/4	1/2	1/2	1/2	1/2	1/2	1/2	220,323	1/2	204,756	1/2	189,088	1/2	173,407	1/2	157,652	1/2	141,897	1/2	126,140	1/2	3/4	3/4	3/4	3/4	3/4	3/4	220,009	3/4	204,429	3/4	188,762	3/4	173,079	3/4	157,324	3/4	141,569	3/4	125,811	3/4	5		5		5		219,689		204,103		188,435		172,751		156,996		141,240		125,483		1/4	1/4	1/4	1/4	1/4	1/4	219,368	1/4	203,777	1/4	188,109	1/4	172,422	1/4	156,667	1/4	140,912	1/4	125,155	1/4	1/2	1/2	1/2	1/2	1/2	1/2	219,048	1/2	203,450	1/2	187,783	1/2	172,094	1/2	156,339	1/2	140,584	1/2	124,826	1/2	3/4	3/4	3/4	3/4	3/4	3/4	218,728	3/4	203,124	3/4	187,456	3/4	171,766	3/4	156,011	3/4	140,256	3/4	124,498	3/4	6		6		6		218,406		202,797		187,130		171,438		155,683		139,927		124,170		1/4	1/4	1/4	1/4	1/4	1/4	218,085	1/4	202,471	1/4	186,803	1/4	171,109	1/4	155,354	1/4	139,599	1/4	123,841	1/4	1/2	1/2	1/2	1/2	1/2	1/2	217,763	1/2	202,145	1/2	186,477	1/2	170,781	1/2	155,026	1/2	139,271	1/2	123,513	1/2	3/4	3/4	3/4	3/4	3/4	3/4	217,442	3/4	201,818	3/4	186,151	3/4	170,453	3/4	154,698	3/4	138,943	3/4	123,185	3/4	7		7		7		217,120		201,492		185,824		170,125		154,370		138,615		122,857		1/4	1/4	1/4	1/4	1/4	1/4	216,797	1/4	201,165	1/4	185,498	1/4	169,797	1/4	154,041	1/4	138,286	1/4	122,528	1/4	1/2	1/2	1/2	1/2	1/2	1/2	216,475	1/2	200,839	1/2	185,171	1/2	169,468	1/2	153,713	1/2	137,958	1/2	122,200	1/2	3/4	3/4	3/4	3/4	3/4	3/4	216,153	3/4	200,513	3/4	184,845	3/4	169,140	3/4	153,385	3/4	137,630	3/4	121,872	3/4	8		8		8		215,830		200,186		184,519		168,812		153,057		137,302		121,543		1/4	1/4	1/4	1/4	1/4	1/4	215,507	1/4	199,860	1/4	184,192	1/4	168,484	1/4	152,729	1/4	136,973	1/4	121,215	1/4	1/2	1/2	1/2	1/2	1/2	1/2	215,185	1/2	199,533	1/2	183,866	1/2	168,155	1/2	152,400	1/2	136,645	1/2	120,887	1/2	3/4	3/4	3/4	3/4	3/4	3/4	214,862	3/4	199,207	3/4	183,539	3/4	167,827	3/4	152,072	3/4	136,317	3/4	120,558	3/4	9		9		9		214,539		198,881		183,213		167,499		151,744		135,989		120,230		1/4	1/4	1/4	1/4	1/4	1/4	214,215	1/4	198,554	1/4	182,887	1/4	167,171	1/4	151,416	1/4	135,660	1/4	119,902	1/4	1/2	1/2	1/2	1/2	1/2	1/2	213,892	1/2	198,228	1/2	182,560	1/2	166,842	1/2	151,087	1/2	135,332	1/2	119,573	1/2	3/4	3/4	3/4	3/4	3/4	3/4	213,569	3/4	197,901	3/4	182,234	3/4	166,514	3/4	150,759	3/4	135,004	3/4	119,245	3/4	10		10		10		213,242		197,575		181,907		166,186		150,431		134,676		118,917		1/4	1/4	1/4	1/4	1/4	1/4	212,916	1/4	197,248	1/4	181,581	1/4	165,858	1/4	150,103	1/4	134,347	1/4	118,588	1/4	1/2	1/2	1/2	1/2	1/2	1/2	212,590	1/2	196,922	1/2	181,255	1/2	165,530	1/2	149,774	1/2	134,019	1/2	118,260	1/2	3/4	3/4	3/4	3/4	3/4	3/4	212,263	3/4	196,596	3/4	180,928	3/4	165,201	3/4	149,446	3/4	133,691	3/4	117,932	3/4	11		11		11		211,937		196,269		180,602		164,873		149,118		133,362		117,604		1/4	1/4	1/4	1/4	1/4	1/4	211,610	1/4	195,943	1/4	180,275	1/4	164,545	1/4	148,790	1/4	133,034	1/4	117,275	1/4	1/2	1/2	1/2	1/2	1/2	1/2	211,284	1/2	195,616	1/2	179,949	1/2	164,217	1/2	148,461	1/2	132,706	1/2	116,947	1/2	3/4	3/4	3/4	3/4	3/4	3/4	210,958	3/4	195,290	3/4	179,623	3/4	163,888	3/4	148,133	3/4	132,377	3/4	116,619	3/4																																																																																
1		1		1		209,326		193,658		177,990		162,247		146,492		130,736		114,977		1/4	1/4	1/4	1/4	1/4	1/4	223,576	1/4	208,999	1/4	193,332	1/4	177,664	1/4	161,919	1/4	146,164	1/4	130,408	1/4	1/2	1/2	1/2	1/2	1/2	1/2	223,410	1/2	208,673	1/2	193,005	1/2	177,338	1/2	161,591	1/2	145,836	1/2	130,079	1/2	3/4	3/4	3/4	3/4	3/4	3/4	223,244	3/4	208,346	3/4	192,679	3/4	177,011	3/4	161,263	3/4	145,507	3/4	129,751	3/4	2		2		2		223,024		208,020		192,352		176,685		145,179		129,423		113,664		1/4	1/4	1/4	1/4	1/4	1/4	222,804	1/4	207,693	1/4	192,026	1/4	176,358	1/4	160,606	1/4	144,851	1/4	129,094	1/4	1/2	1/2	1/2	1/2	1/2	1/2	222,583	1/2	207,367	1/2	191,700	1/2	176,031	1/2	160,278	1/2	144,523	1/2	128,766	1/2	3/4	3/4	3/4	3/4	3/4	3/4	222,363	3/4	207,041	3/4	191,373	3/4	175,705	3/4	159,950	3/4	144,194	3/4	128,438	3/4	3		3		3		222,089		206,714		191,047		175,376		159,621		143,866		128,109		1/4	1/4	1/4	1/4	1/4	1/4	221,815	1/4	206,388	1/4	190,720	1/4	175,048	1/4	159,293	1/4	143,538	1/4	127,781	1/4	1/2	1/2	1/2	1/2	1/2	1/2	221,541	1/2	206,061	1/2	190,394	1/2	174,720	1/2	158,965	1/2	143,210	1/2	127,453	1/2	3/4	3/4	3/4	3/4	3/4	3/4	221,267	3/4	205,735	3/4	190,068	3/4	174,392	3/4	158,637	3/4	142,882	3/4	127,125	3/4	4		4		4		220,952		205,409		189,741		174,064		158,308		142,553		126,796		1/4	1/4	1/4	1/4	1/4	1/4	220,638	1/4	205,082	1/4	189,415	1/4	173,735	1/4	157,980	1/4	142,225	1/4	126,468	1/4	1/2	1/2	1/2	1/2	1/2	1/2	220,323	1/2	204,756	1/2	189,088	1/2	173,407	1/2	157,652	1/2	141,897	1/2	126,140	1/2	3/4	3/4	3/4	3/4	3/4	3/4	220,009	3/4	204,429	3/4	188,762	3/4	173,079	3/4	157,324	3/4	141,569	3/4	125,811	3/4	5		5		5		219,689		204,103		188,435		172,751		156,996		141,240		125,483		1/4	1/4	1/4	1/4	1/4	1/4	219,368	1/4	203,777	1/4	188,109	1/4	172,422	1/4	156,667	1/4	140,912	1/4	125,155	1/4	1/2	1/2	1/2	1/2	1/2	1/2	219,048	1/2	203,450	1/2	187,783	1/2	172,094	1/2	156,339	1/2	140,584	1/2	124,826	1/2	3/4	3/4	3/4	3/4	3/4	3/4	218,728	3/4	203,124	3/4	187,456	3/4	171,766	3/4	156,011	3/4	140,256	3/4	124,498	3/4	6		6		6		218,406		202,797		187,130		171,438		155,683		139,927		124,170		1/4	1/4	1/4	1/4	1/4	1/4	218,085	1/4	202,471	1/4	186,803	1/4	171,109	1/4	155,354	1/4	139,599	1/4	123,841	1/4	1/2	1/2	1/2	1/2	1/2	1/2	217,763	1/2	202,145	1/2	186,477	1/2	170,781	1/2	155,026	1/2	139,271	1/2	123,513	1/2	3/4	3/4	3/4	3/4	3/4	3/4	217,442	3/4	201,818	3/4	186,151	3/4	170,453	3/4	154,698	3/4	138,943	3/4	123,185	3/4	7		7		7		217,120		201,492		185,824		170,125		154,370		138,615		122,857		1/4	1/4	1/4	1/4	1/4	1/4	216,797	1/4	201,165	1/4	185,498	1/4	169,797	1/4	154,041	1/4	138,286	1/4	122,528	1/4	1/2	1/2	1/2	1/2	1/2	1/2	216,475	1/2	200,839	1/2	185,171	1/2	169,468	1/2	153,713	1/2	137,958	1/2	122,200	1/2	3/4	3/4	3/4	3/4	3/4	3/4	216,153	3/4	200,513	3/4	184,845	3/4	169,140	3/4	153,385	3/4	137,630	3/4	121,872	3/4	8		8		8		215,830		200,186		184,519		168,812		153,057		137,302		121,543		1/4	1/4	1/4	1/4	1/4	1/4	215,507	1/4	199,860	1/4	184,192	1/4	168,484	1/4	152,729	1/4	136,973	1/4	121,215	1/4	1/2	1/2	1/2	1/2	1/2	1/2	215,185	1/2	199,533	1/2	183,866	1/2	168,155	1/2	152,400	1/2	136,645	1/2	120,887	1/2	3/4	3/4	3/4	3/4	3/4	3/4	214,862	3/4	199,207	3/4	183,539	3/4	167,827	3/4	152,072	3/4	136,317	3/4	120,558	3/4	9		9		9		214,539		198,881		183,213		167,499		151,744		135,989		120,230		1/4	1/4	1/4	1/4	1/4	1/4	214,215	1/4	198,554	1/4	182,887	1/4	167,171	1/4	151,416	1/4	135,660	1/4	119,902	1/4	1/2	1/2	1/2	1/2	1/2	1/2	213,892	1/2	198,228	1/2	182,560	1/2	166,842	1/2	151,087	1/2	135,332	1/2	119,573	1/2	3/4	3/4	3/4	3/4	3/4	3/4	213,569	3/4	197,901	3/4	182,234	3/4	166,514	3/4	150,759	3/4	135,004	3/4	119,245	3/4	10		10		10		213,242		197,575		181,907		166,186		150,431		134,676		118,917		1/4	1/4	1/4	1/4	1/4	1/4	212,916	1/4	197,248	1/4	181,581	1/4	165,858	1/4	150,103	1/4	134,347	1/4	118,588	1/4	1/2	1/2	1/2	1/2	1/2	1/2	212,590	1/2	196,922	1/2	181,255	1/2	165,530	1/2	149,774	1/2	134,019	1/2	118,260	1/2	3/4	3/4	3/4	3/4	3/4	3/4	212,263	3/4	196,596	3/4	180,928	3/4	165,201	3/4	149,446	3/4	133,691	3/4	117,932	3/4	11		11		11		211,937		196,269		180,602		164,873		149,118		133,362		117,604		1/4	1/4	1/4	1/4	1/4	1/4	211,610	1/4	195,943	1/4	180,275	1/4	164,545	1/4	148,790	1/4	133,034	1/4	117,275	1/4	1/2	1/2	1/2	1/2	1/2	1/2	211,284	1/2	195,616	1/2	179,949	1/2	164,217	1/2	148,461	1/2	132,706	1/2	116,947	1/2	3/4	3/4	3/4	3/4	3/4	3/4	210,958	3/4	195,290	3/4	179,623	3/4	163,888	3/4	148,133	3/4	132,377	3/4	116,619	3/4																																																																																																				
1/4	1/4	1/4	1/4	1/4	1/4	223,576	1/4	208,999	1/4	193,332	1/4	177,664	1/4	161,919	1/4	146,164	1/4	130,408	1/4	1/2	1/2	1/2	1/2	1/2	1/2	223,410	1/2	208,673	1/2	193,005	1/2	177,338	1/2	161,591	1/2	145,836	1/2	130,079	1/2	3/4	3/4	3/4	3/4	3/4	3/4	223,244	3/4	208,346	3/4	192,679	3/4	177,011	3/4	161,263	3/4	145,507	3/4	129,751	3/4	2		2		2		223,024		208,020		192,352		176,685		145,179		129,423		113,664		1/4	1/4	1/4	1/4	1/4	1/4	222,804	1/4	207,693	1/4	192,026	1/4	176,358	1/4	160,606	1/4	144,851	1/4	129,094	1/4	1/2	1/2	1/2	1/2	1/2	1/2	222,583	1/2	207,367	1/2	191,700	1/2	176,031	1/2	160,278	1/2	144,523	1/2	128,766	1/2	3/4	3/4	3/4	3/4	3/4	3/4	222,363	3/4	207,041	3/4	191,373	3/4	175,705	3/4	159,950	3/4	144,194	3/4	128,438	3/4	3		3		3		222,089		206,714		191,047		175,376		159,621		143,866		128,109		1/4	1/4	1/4	1/4	1/4	1/4	221,815	1/4	206,388	1/4	190,720	1/4	175,048	1/4	159,293	1/4	143,538	1/4	127,781	1/4	1/2	1/2	1/2	1/2	1/2	1/2	221,541	1/2	206,061	1/2	190,394	1/2	174,720	1/2	158,965	1/2	143,210	1/2	127,453	1/2	3/4	3/4	3/4	3/4	3/4	3/4	221,267	3/4	205,735	3/4	190,068	3/4	174,392	3/4	158,637	3/4	142,882	3/4	127,125	3/4	4		4		4		220,952		205,409		189,741		174,064		158,308		142,553		126,796		1/4	1/4	1/4	1/4	1/4	1/4	220,638	1/4	205,082	1/4	189,415	1/4	173,735	1/4	157,980	1/4	142,225	1/4	126,468	1/4	1/2	1/2	1/2	1/2	1/2	1/2	220,323	1/2	204,756	1/2	189,088	1/2	173,407	1/2	157,652	1/2	141,897	1/2	126,140	1/2	3/4	3/4	3/4	3/4	3/4	3/4	220,009	3/4	204,429	3/4	188,762	3/4	173,079	3/4	157,324	3/4	141,569	3/4	125,811	3/4	5		5		5		219,689		204,103		188,435		172,751		156,996		141,240		125,483		1/4	1/4	1/4	1/4	1/4	1/4	219,368	1/4	203,777	1/4	188,109	1/4	172,422	1/4	156,667	1/4	140,912	1/4	125,155	1/4	1/2	1/2	1/2	1/2	1/2	1/2	219,048	1/2	203,450	1/2	187,783	1/2	172,094	1/2	156,339	1/2	140,584	1/2	124,826	1/2	3/4	3/4	3/4	3/4	3/4	3/4	218,728	3/4	203,124	3/4	187,456	3/4	171,766	3/4	156,011	3/4	140,256	3/4	124,498	3/4	6		6		6		218,406		202,797		187,130		171,438		155,683		139,927		124,170		1/4	1/4	1/4	1/4	1/4	1/4	218,085	1/4	202,471	1/4	186,803	1/4	171,109	1/4	155,354	1/4	139,599	1/4	123,841	1/4	1/2	1/2	1/2	1/2	1/2	1/2	217,763	1/2	202,145	1/2	186,477	1/2	170,781	1/2	155,026	1/2	139,271	1/2	123,513	1/2	3/4	3/4	3/4	3/4	3/4	3/4	217,442	3/4	201,818	3/4	186,151	3/4	170,453	3/4	154,698	3/4	138,943	3/4	123,185	3/4	7		7		7		217,120		201,492		185,824		170,125		154,370		138,615		122,857		1/4	1/4	1/4	1/4	1/4	1/4	216,797	1/4	201,165	1/4	185,498	1/4	169,797	1/4	154,041	1/4	138,286	1/4	122,528	1/4	1/2	1/2	1/2	1/2	1/2	1/2	216,475	1/2	200,839	1/2	185,171	1/2	169,468	1/2	153,713	1/2	137,958	1/2	122,200	1/2	3/4	3/4	3/4	3/4	3/4	3/4	216,153	3/4	200,513	3/4	184,845	3/4	169,140	3/4	153,385	3/4	137,630	3/4	121,872	3/4	8		8		8		215,830		200,186		184,519		168,812		153,057		137,302		121,543		1/4	1/4	1/4	1/4	1/4	1/4	215,507	1/4	199,860	1/4	184,192	1/4	168,484	1/4	152,729	1/4	136,973	1/4	121,215	1/4	1/2	1/2	1/2	1/2	1/2	1/2	215,185	1/2	199,533	1/2	183,866	1/2	168,155	1/2	152,400	1/2	136,645	1/2	120,887	1/2	3/4	3/4	3/4	3/4	3/4	3/4	214,862	3/4	199,207	3/4	183,539	3/4	167,827	3/4	152,072	3/4	136,317	3/4	120,558	3/4	9		9		9		214,539		198,881		183,213		167,499		151,744		135,989		120,230		1/4	1/4	1/4	1/4	1/4	1/4	214,215	1/4	198,554	1/4	182,887	1/4	167,171	1/4	151,416	1/4	135,660	1/4	119,902	1/4	1/2	1/2	1/2	1/2	1/2	1/2	213,892	1/2	198,228	1/2	182,560	1/2	166,842	1/2	151,087	1/2	135,332	1/2	119,573	1/2	3/4	3/4	3/4	3/4	3/4	3/4	213,569	3/4	197,901	3/4	182,234	3/4	166,514	3/4	150,759	3/4	135,004	3/4	119,245	3/4	10		10		10		213,242		197,575		181,907		166,186		150,431		134,676		118,917		1/4	1/4	1/4	1/4	1/4	1/4	212,916	1/4	197,248	1/4	181,581	1/4	165,858	1/4	150,103	1/4	134,347	1/4	118,588	1/4	1/2	1/2	1/2	1/2	1/2	1/2	212,590	1/2	196,922	1/2	181,255	1/2	165,530	1/2	149,774	1/2	134,019	1/2	118,260	1/2	3/4	3/4	3/4	3/4	3/4	3/4	212,263	3/4	196,596	3/4	180,928	3/4	165,201	3/4	149,446	3/4	133,691	3/4	117,932	3/4	11		11		11		211,937		196,269		180,602		164,873		149,118		133,362		117,604		1/4	1/4	1/4	1/4	1/4	1/4	211,610	1/4	195,943	1/4	180,275	1/4	164,545	1/4	148,790	1/4	133,034	1/4	117,275	1/4	1/2	1/2	1/2	1/2	1/2	1/2	211,284	1/2	195,616	1/2	179,949	1/2	164,217	1/2	148,461	1/2	132,706	1/2	116,947	1/2	3/4	3/4	3/4	3/4	3/4	3/4	210,958	3/4	195,290	3/4	179,623	3/4	163,888	3/4	148,133	3/4	132,377	3/4	116,619	3/4																																																																																																																								
1/2	1/2	1/2	1/2	1/2	1/2	223,410	1/2	208,673	1/2	193,005	1/2	177,338	1/2	161,591	1/2	145,836	1/2	130,079	1/2	3/4	3/4	3/4	3/4	3/4	3/4	223,244	3/4	208,346	3/4	192,679	3/4	177,011	3/4	161,263	3/4	145,507	3/4	129,751	3/4	2		2		2		223,024		208,020		192,352		176,685		145,179		129,423		113,664		1/4	1/4	1/4	1/4	1/4	1/4	222,804	1/4	207,693	1/4	192,026	1/4	176,358	1/4	160,606	1/4	144,851	1/4	129,094	1/4	1/2	1/2	1/2	1/2	1/2	1/2	222,583	1/2	207,367	1/2	191,700	1/2	176,031	1/2	160,278	1/2	144,523	1/2	128,766	1/2	3/4	3/4	3/4	3/4	3/4	3/4	222,363	3/4	207,041	3/4	191,373	3/4	175,705	3/4	159,950	3/4	144,194	3/4	128,438	3/4	3		3		3		222,089		206,714		191,047		175,376		159,621		143,866		128,109		1/4	1/4	1/4	1/4	1/4	1/4	221,815	1/4	206,388	1/4	190,720	1/4	175,048	1/4	159,293	1/4	143,538	1/4	127,781	1/4	1/2	1/2	1/2	1/2	1/2	1/2	221,541	1/2	206,061	1/2	190,394	1/2	174,720	1/2	158,965	1/2	143,210	1/2	127,453	1/2	3/4	3/4	3/4	3/4	3/4	3/4	221,267	3/4	205,735	3/4	190,068	3/4	174,392	3/4	158,637	3/4	142,882	3/4	127,125	3/4	4		4		4		220,952		205,409		189,741		174,064		158,308		142,553		126,796		1/4	1/4	1/4	1/4	1/4	1/4	220,638	1/4	205,082	1/4	189,415	1/4	173,735	1/4	157,980	1/4	142,225	1/4	126,468	1/4	1/2	1/2	1/2	1/2	1/2	1/2	220,323	1/2	204,756	1/2	189,088	1/2	173,407	1/2	157,652	1/2	141,897	1/2	126,140	1/2	3/4	3/4	3/4	3/4	3/4	3/4	220,009	3/4	204,429	3/4	188,762	3/4	173,079	3/4	157,324	3/4	141,569	3/4	125,811	3/4	5		5		5		219,689		204,103		188,435		172,751		156,996		141,240		125,483		1/4	1/4	1/4	1/4	1/4	1/4	219,368	1/4	203,777	1/4	188,109	1/4	172,422	1/4	156,667	1/4	140,912	1/4	125,155	1/4	1/2	1/2	1/2	1/2	1/2	1/2	219,048	1/2	203,450	1/2	187,783	1/2	172,094	1/2	156,339	1/2	140,584	1/2	124,826	1/2	3/4	3/4	3/4	3/4	3/4	3/4	218,728	3/4	203,124	3/4	187,456	3/4	171,766	3/4	156,011	3/4	140,256	3/4	124,498	3/4	6		6		6		218,406		202,797		187,130		171,438		155,683		139,927		124,170		1/4	1/4	1/4	1/4	1/4	1/4	218,085	1/4	202,471	1/4	186,803	1/4	171,109	1/4	155,354	1/4	139,599	1/4	123,841	1/4	1/2	1/2	1/2	1/2	1/2	1/2	217,763	1/2	202,145	1/2	186,477	1/2	170,781	1/2	155,026	1/2	139,271	1/2	123,513	1/2	3/4	3/4	3/4	3/4	3/4	3/4	217,442	3/4	201,818	3/4	186,151	3/4	170,453	3/4	154,698	3/4	138,943	3/4	123,185	3/4	7		7		7		217,120		201,492		185,824		170,125		154,370		138,615		122,857		1/4	1/4	1/4	1/4	1/4	1/4	216,797	1/4	201,165	1/4	185,498	1/4	169,797	1/4	154,041	1/4	138,286	1/4	122,528	1/4	1/2	1/2	1/2	1/2	1/2	1/2	216,475	1/2	200,839	1/2	185,171	1/2	169,468	1/2	153,713	1/2	137,958	1/2	122,200	1/2	3/4	3/4	3/4	3/4	3/4	3/4	216,153	3/4	200,513	3/4	184,845	3/4	169,140	3/4	153,385	3/4	137,630	3/4	121,872	3/4	8		8		8		215,830		200,186		184,519		168,812		153,057		137,302		121,543		1/4	1/4	1/4	1/4	1/4	1/4	215,507	1/4	199,860	1/4	184,192	1/4	168,484	1/4	152,729	1/4	136,973	1/4	121,215	1/4	1/2	1/2	1/2	1/2	1/2	1/2	215,185	1/2	199,533	1/2	183,866	1/2	168,155	1/2	152,400	1/2	136,645	1/2	120,887	1/2	3/4	3/4	3/4	3/4	3/4	3/4	214,862	3/4	199,207	3/4	183,539	3/4	167,827	3/4	152,072	3/4	136,317	3/4	120,558	3/4	9		9		9		214,539		198,881		183,213		167,499		151,744		135,989		120,230		1/4	1/4	1/4	1/4	1/4	1/4	214,215	1/4	198,554	1/4	182,887	1/4	167,171	1/4	151,416	1/4	135,660	1/4	119,902	1/4	1/2	1/2	1/2	1/2	1/2	1/2	213,892	1/2	198,228	1/2	182,560	1/2	166,842	1/2	151,087	1/2	135,332	1/2	119,573	1/2	3/4	3/4	3/4	3/4	3/4	3/4	213,569	3/4	197,901	3/4	182,234	3/4	166,514	3/4	150,759	3/4	135,004	3/4	119,245	3/4	10		10		10		213,242		197,575		181,907		166,186		150,431		134,676		118,917		1/4	1/4	1/4	1/4	1/4	1/4	212,916	1/4	197,248	1/4	181,581	1/4	165,858	1/4	150,103	1/4	134,347	1/4	118,588	1/4	1/2	1/2	1/2	1/2	1/2	1/2	212,590	1/2	196,922	1/2	181,255	1/2	165,530	1/2	149,774	1/2	134,019	1/2	118,260	1/2	3/4	3/4	3/4	3/4	3/4	3/4	212,263	3/4	196,596	3/4	180,928	3/4	165,201	3/4	149,446	3/4	133,691	3/4	117,932	3/4	11		11		11		211,937		196,269		180,602		164,873		149,118		133,362		117,604		1/4	1/4	1/4	1/4	1/4	1/4	211,610	1/4	195,943	1/4	180,275	1/4	164,545	1/4	148,790	1/4	133,034	1/4	117,275	1/4	1/2	1/2	1/2	1/2	1/2	1/2	211,284	1/2	195,616	1/2	179,949	1/2	164,217	1/2	148,461	1/2	132,706	1/2	116,947	1/2	3/4	3/4	3/4	3/4	3/4	3/4	210,958	3/4	195,290	3/4	179,623	3/4	163,888	3/4	148,133	3/4	132,377	3/4	116,619	3/4																																																																																																																																												
3/4	3/4	3/4	3/4	3/4	3/4	223,244	3/4	208,346	3/4	192,679	3/4	177,011	3/4	161,263	3/4	145,507	3/4	129,751	3/4	2		2		2		223,024		208,020		192,352		176,685		145,179		129,423		113,664		1/4	1/4	1/4	1/4	1/4	1/4	222,804	1/4	207,693	1/4	192,026	1/4	176,358	1/4	160,606	1/4	144,851	1/4	129,094	1/4	1/2	1/2	1/2	1/2	1/2	1/2	222,583	1/2	207,367	1/2	191,700	1/2	176,031	1/2	160,278	1/2	144,523	1/2	128,766	1/2	3/4	3/4	3/4	3/4	3/4	3/4	222,363	3/4	207,041	3/4	191,373	3/4	175,705	3/4	159,950	3/4	144,194	3/4	128,438	3/4	3		3		3		222,089		206,714		191,047		175,376		159,621		143,866		128,109		1/4	1/4	1/4	1/4	1/4	1/4	221,815	1/4	206,388	1/4	190,720	1/4	175,048	1/4	159,293	1/4	143,538	1/4	127,781	1/4	1/2	1/2	1/2	1/2	1/2	1/2	221,541	1/2	206,061	1/2	190,394	1/2	174,720	1/2	158,965	1/2	143,210	1/2	127,453	1/2	3/4	3/4	3/4	3/4	3/4	3/4	221,267	3/4	205,735	3/4	190,068	3/4	174,392	3/4	158,637	3/4	142,882	3/4	127,125	3/4	4		4		4		220,952		205,409		189,741		174,064		158,308		142,553		126,796		1/4	1/4	1/4	1/4	1/4	1/4	220,638	1/4	205,082	1/4	189,415	1/4	173,735	1/4	157,980	1/4	142,225	1/4	126,468	1/4	1/2	1/2	1/2	1/2	1/2	1/2	220,323	1/2	204,756	1/2	189,088	1/2	173,407	1/2	157,652	1/2	141,897	1/2	126,140	1/2	3/4	3/4	3/4	3/4	3/4	3/4	220,009	3/4	204,429	3/4	188,762	3/4	173,079	3/4	157,324	3/4	141,569	3/4	125,811	3/4	5		5		5		219,689		204,103		188,435		172,751		156,996		141,240		125,483		1/4	1/4	1/4	1/4	1/4	1/4	219,368	1/4	203,777	1/4	188,109	1/4	172,422	1/4	156,667	1/4	140,912	1/4	125,155	1/4	1/2	1/2	1/2	1/2	1/2	1/2	219,048	1/2	203,450	1/2	187,783	1/2	172,094	1/2	156,339	1/2	140,584	1/2	124,826	1/2	3/4	3/4	3/4	3/4	3/4	3/4	218,728	3/4	203,124	3/4	187,456	3/4	171,766	3/4	156,011	3/4	140,256	3/4	124,498	3/4	6		6		6		218,406		202,797		187,130		171,438		155,683		139,927		124,170		1/4	1/4	1/4	1/4	1/4	1/4	218,085	1/4	202,471	1/4	186,803	1/4	171,109	1/4	155,354	1/4	139,599	1/4	123,841	1/4	1/2	1/2	1/2	1/2	1/2	1/2	217,763	1/2	202,145	1/2	186,477	1/2	170,781	1/2	155,026	1/2	139,271	1/2	123,513	1/2	3/4	3/4	3/4	3/4	3/4	3/4	217,442	3/4	201,818	3/4	186,151	3/4	170,453	3/4	154,698	3/4	138,943	3/4	123,185	3/4	7		7		7		217,120		201,492		185,824		170,125		154,370		138,615		122,857		1/4	1/4	1/4	1/4	1/4	1/4	216,797	1/4	201,165	1/4	185,498	1/4	169,797	1/4	154,041	1/4	138,286	1/4	122,528	1/4	1/2	1/2	1/2	1/2	1/2	1/2	216,475	1/2	200,839	1/2	185,171	1/2	169,468	1/2	153,713	1/2	137,958	1/2	122,200	1/2	3/4	3/4	3/4	3/4	3/4	3/4	216,153	3/4	200,513	3/4	184,845	3/4	169,140	3/4	153,385	3/4	137,630	3/4	121,872	3/4	8		8		8		215,830		200,186		184,519		168,812		153,057		137,302		121,543		1/4	1/4	1/4	1/4	1/4	1/4	215,507	1/4	199,860	1/4	184,192	1/4	168,484	1/4	152,729	1/4	136,973	1/4	121,215	1/4	1/2	1/2	1/2	1/2	1/2	1/2	215,185	1/2	199,533	1/2	183,866	1/2	168,155	1/2	152,400	1/2	136,645	1/2	120,887	1/2	3/4	3/4	3/4	3/4	3/4	3/4	214,862	3/4	199,207	3/4	183,539	3/4	167,827	3/4	152,072	3/4	136,317	3/4	120,558	3/4	9		9		9		214,539		198,881		183,213		167,499		151,744		135,989		120,230		1/4	1/4	1/4	1/4	1/4	1/4	214,215	1/4	198,554	1/4	182,887	1/4	167,171	1/4	151,416	1/4	135,660	1/4	119,902	1/4	1/2	1/2	1/2	1/2	1/2	1/2	213,892	1/2	198,228	1/2	182,560	1/2	166,842	1/2	151,087	1/2	135,332	1/2	119,573	1/2	3/4	3/4	3/4	3/4	3/4	3/4	213,569	3/4	197,901	3/4	182,234	3/4	166,514	3/4	150,759	3/4	135,004	3/4	119,245	3/4	10		10		10		213,242		197,575		181,907		166,186		150,431		134,676		118,917		1/4	1/4	1/4	1/4	1/4	1/4	212,916	1/4	197,248	1/4	181,581	1/4	165,858	1/4	150,103	1/4	134,347	1/4	118,588	1/4	1/2	1/2	1/2	1/2	1/2	1/2	212,590	1/2	196,922	1/2	181,255	1/2	165,530	1/2	149,774	1/2	134,019	1/2	118,260	1/2	3/4	3/4	3/4	3/4	3/4	3/4	212,263	3/4	196,596	3/4	180,928	3/4	165,201	3/4	149,446	3/4	133,691	3/4	117,932	3/4	11		11		11		211,937		196,269		180,602		164,873		149,118		133,362		117,604		1/4	1/4	1/4	1/4	1/4	1/4	211,610	1/4	195,943	1/4	180,275	1/4	164,545	1/4	148,790	1/4	133,034	1/4	117,275	1/4	1/2	1/2	1/2	1/2	1/2	1/2	211,284	1/2	195,616	1/2	179,949	1/2	164,217	1/2	148,461	1/2	132,706	1/2	116,947	1/2	3/4	3/4	3/4	3/4	3/4	3/4	210,958	3/4	195,290	3/4	179,623	3/4	163,888	3/4	148,133	3/4	132,377	3/4	116,619	3/4																																																																																																																																																																
2		2		2		223,024		208,020		192,352		176,685		145,179		129,423		113,664		1/4	1/4	1/4	1/4	1/4	1/4	222,804	1/4	207,693	1/4	192,026	1/4	176,358	1/4	160,606	1/4	144,851	1/4	129,094	1/4	1/2	1/2	1/2	1/2	1/2	1/2	222,583	1/2	207,367	1/2	191,700	1/2	176,031	1/2	160,278	1/2	144,523	1/2	128,766	1/2	3/4	3/4	3/4	3/4	3/4	3/4	222,363	3/4	207,041	3/4	191,373	3/4	175,705	3/4	159,950	3/4	144,194	3/4	128,438	3/4	3		3		3		222,089		206,714		191,047		175,376		159,621		143,866		128,109		1/4	1/4	1/4	1/4	1/4	1/4	221,815	1/4	206,388	1/4	190,720	1/4	175,048	1/4	159,293	1/4	143,538	1/4	127,781	1/4	1/2	1/2	1/2	1/2	1/2	1/2	221,541	1/2	206,061	1/2	190,394	1/2	174,720	1/2	158,965	1/2	143,210	1/2	127,453	1/2	3/4	3/4	3/4	3/4	3/4	3/4	221,267	3/4	205,735	3/4	190,068	3/4	174,392	3/4	158,637	3/4	142,882	3/4	127,125	3/4	4		4		4		220,952		205,409		189,741		174,064		158,308		142,553		126,796		1/4	1/4	1/4	1/4	1/4	1/4	220,638	1/4	205,082	1/4	189,415	1/4	173,735	1/4	157,980	1/4	142,225	1/4	126,468	1/4	1/2	1/2	1/2	1/2	1/2	1/2	220,323	1/2	204,756	1/2	189,088	1/2	173,407	1/2	157,652	1/2	141,897	1/2	126,140	1/2	3/4	3/4	3/4	3/4	3/4	3/4	220,009	3/4	204,429	3/4	188,762	3/4	173,079	3/4	157,324	3/4	141,569	3/4	125,811	3/4	5		5		5		219,689		204,103		188,435		172,751		156,996		141,240		125,483		1/4	1/4	1/4	1/4	1/4	1/4	219,368	1/4	203,777	1/4	188,109	1/4	172,422	1/4	156,667	1/4	140,912	1/4	125,155	1/4	1/2	1/2	1/2	1/2	1/2	1/2	219,048	1/2	203,450	1/2	187,783	1/2	172,094	1/2	156,339	1/2	140,584	1/2	124,826	1/2	3/4	3/4	3/4	3/4	3/4	3/4	218,728	3/4	203,124	3/4	187,456	3/4	171,766	3/4	156,011	3/4	140,256	3/4	124,498	3/4	6		6		6		218,406		202,797		187,130		171,438		155,683		139,927		124,170		1/4	1/4	1/4	1/4	1/4	1/4	218,085	1/4	202,471	1/4	186,803	1/4	171,109	1/4	155,354	1/4	139,599	1/4	123,841	1/4	1/2	1/2	1/2	1/2	1/2	1/2	217,763	1/2	202,145	1/2	186,477	1/2	170,781	1/2	155,026	1/2	139,271	1/2	123,513	1/2	3/4	3/4	3/4	3/4	3/4	3/4	217,442	3/4	201,818	3/4	186,151	3/4	170,453	3/4	154,698	3/4	138,943	3/4	123,185	3/4	7		7		7		217,120		201,492		185,824		170,125		154,370		138,615		122,857		1/4	1/4	1/4	1/4	1/4	1/4	216,797	1/4	201,165	1/4	185,498	1/4	169,797	1/4	154,041	1/4	138,286	1/4	122,528	1/4	1/2	1/2	1/2	1/2	1/2	1/2	216,475	1/2	200,839	1/2	185,171	1/2	169,468	1/2	153,713	1/2	137,958	1/2	122,200	1/2	3/4	3/4	3/4	3/4	3/4	3/4	216,153	3/4	200,513	3/4	184,845	3/4	169,140	3/4	153,385	3/4	137,630	3/4	121,872	3/4	8		8		8		215,830		200,186		184,519		168,812		153,057		137,302		121,543		1/4	1/4	1/4	1/4	1/4	1/4	215,507	1/4	199,860	1/4	184,192	1/4	168,484	1/4	152,729	1/4	136,973	1/4	121,215	1/4	1/2	1/2	1/2	1/2	1/2	1/2	215,185	1/2	199,533	1/2	183,866	1/2	168,155	1/2	152,400	1/2	136,645	1/2	120,887	1/2	3/4	3/4	3/4	3/4	3/4	3/4	214,862	3/4	199,207	3/4	183,539	3/4	167,827	3/4	152,072	3/4	136,317	3/4	120,558	3/4	9		9		9		214,539		198,881		183,213		167,499		151,744		135,989		120,230		1/4	1/4	1/4	1/4	1/4	1/4	214,215	1/4	198,554	1/4	182,887	1/4	167,171	1/4	151,416	1/4	135,660	1/4	119,902	1/4	1/2	1/2	1/2	1/2	1/2	1/2	213,892	1/2	198,228	1/2	182,560	1/2	166,842	1/2	151,087	1/2	135,332	1/2	119,573	1/2	3/4	3/4	3/4	3/4	3/4	3/4	213,569	3/4	197,901	3/4	182,234	3/4	166,514	3/4	150,759	3/4	135,004	3/4	119,245	3/4	10		10		10		213,242		197,575		181,907		166,186		150,431		134,676		118,917		1/4	1/4	1/4	1/4	1/4	1/4	212,916	1/4	197,248	1/4	181,581	1/4	165,858	1/4	150,103	1/4	134,347	1/4	118,588	1/4	1/2	1/2	1/2	1/2	1/2	1/2	212,590	1/2	196,922	1/2	181,255	1/2	165,530	1/2	149,774	1/2	134,019	1/2	118,260	1/2	3/4	3/4	3/4	3/4	3/4	3/4	212,263	3/4	196,596	3/4	180,928	3/4	165,201	3/4	149,446	3/4	133,691	3/4	117,932	3/4	11		11		11		211,937		196,269		180,602		164,873		149,118		133,362		117,604		1/4	1/4	1/4	1/4	1/4	1/4	211,610	1/4	195,943	1/4	180,275	1/4	164,545	1/4	148,790	1/4	133,034	1/4	117,275	1/4	1/2	1/2	1/2	1/2	1/2	1/2	211,284	1/2	195,616	1/2	179,949	1/2	164,217	1/2	148,461	1/2	132,706	1/2	116,947	1/2	3/4	3/4	3/4	3/4	3/4	3/4	210,958	3/4	195,290	3/4	179,623	3/4	163,888	3/4	148,133	3/4	132,377	3/4	116,619	3/4																																																																																																																																																																																				
1/4	1/4	1/4	1/4	1/4	1/4	222,804	1/4	207,693	1/4	192,026	1/4	176,358	1/4	160,606	1/4	144,851	1/4	129,094	1/4	1/2	1/2	1/2	1/2	1/2	1/2	222,583	1/2	207,367	1/2	191,700	1/2	176,031	1/2	160,278	1/2	144,523	1/2	128,766	1/2	3/4	3/4	3/4	3/4	3/4	3/4	222,363	3/4	207,041	3/4	191,373	3/4	175,705	3/4	159,950	3/4	144,194	3/4	128,438	3/4	3		3		3		222,089		206,714		191,047		175,376		159,621		143,866		128,109		1/4	1/4	1/4	1/4	1/4	1/4	221,815	1/4	206,388	1/4	190,720	1/4	175,048	1/4	159,293	1/4	143,538	1/4	127,781	1/4	1/2	1/2	1/2	1/2	1/2	1/2	221,541	1/2	206,061	1/2	190,394	1/2	174,720	1/2	158,965	1/2	143,210	1/2	127,453	1/2	3/4	3/4	3/4	3/4	3/4	3/4	221,267	3/4	205,735	3/4	190,068	3/4	174,392	3/4	158,637	3/4	142,882	3/4	127,125	3/4	4		4		4		220,952		205,409		189,741		174,064		158,308		142,553		126,796		1/4	1/4	1/4	1/4	1/4	1/4	220,638	1/4	205,082	1/4	189,415	1/4	173,735	1/4	157,980	1/4	142,225	1/4	126,468	1/4	1/2	1/2	1/2	1/2	1/2	1/2	220,323	1/2	204,756	1/2	189,088	1/2	173,407	1/2	157,652	1/2	141,897	1/2	126,140	1/2	3/4	3/4	3/4	3/4	3/4	3/4	220,009	3/4	204,429	3/4	188,762	3/4	173,079	3/4	157,324	3/4	141,569	3/4	125,811	3/4	5		5		5		219,689		204,103		188,435		172,751		156,996		141,240		125,483		1/4	1/4	1/4	1/4	1/4	1/4	219,368	1/4	203,777	1/4	188,109	1/4	172,422	1/4	156,667	1/4	140,912	1/4	125,155	1/4	1/2	1/2	1/2	1/2	1/2	1/2	219,048	1/2	203,450	1/2	187,783	1/2	172,094	1/2	156,339	1/2	140,584	1/2	124,826	1/2	3/4	3/4	3/4	3/4	3/4	3/4	218,728	3/4	203,124	3/4	187,456	3/4	171,766	3/4	156,011	3/4	140,256	3/4	124,498	3/4	6		6		6		218,406		202,797		187,130		171,438		155,683		139,927		124,170		1/4	1/4	1/4	1/4	1/4	1/4	218,085	1/4	202,471	1/4	186,803	1/4	171,109	1/4	155,354	1/4	139,599	1/4	123,841	1/4	1/2	1/2	1/2	1/2	1/2	1/2	217,763	1/2	202,145	1/2	186,477	1/2	170,781	1/2	155,026	1/2	139,271	1/2	123,513	1/2	3/4	3/4	3/4	3/4	3/4	3/4	217,442	3/4	201,818	3/4	186,151	3/4	170,453	3/4	154,698	3/4	138,943	3/4	123,185	3/4	7		7		7		217,120		201,492		185,824		170,125		154,370		138,615		122,857		1/4	1/4	1/4	1/4	1/4	1/4	216,797	1/4	201,165	1/4	185,498	1/4	169,797	1/4	154,041	1/4	138,286	1/4	122,528	1/4	1/2	1/2	1/2	1/2	1/2	1/2	216,475	1/2	200,839	1/2	185,171	1/2	169,468	1/2	153,713	1/2	137,958	1/2	122,200	1/2	3/4	3/4	3/4	3/4	3/4	3/4	216,153	3/4	200,513	3/4	184,845	3/4	169,140	3/4	153,385	3/4	137,630	3/4	121,872	3/4	8		8		8		215,830		200,186		184,519		168,812		153,057		137,302		121,543		1/4	1/4	1/4	1/4	1/4	1/4	215,507	1/4	199,860	1/4	184,192	1/4	168,484	1/4	152,729	1/4	136,973	1/4	121,215	1/4	1/2	1/2	1/2	1/2	1/2	1/2	215,185	1/2	199,533	1/2	183,866	1/2	168,155	1/2	152,400	1/2	136,645	1/2	120,887	1/2	3/4	3/4	3/4	3/4	3/4	3/4	214,862	3/4	199,207	3/4	183,539	3/4	167,827	3/4	152,072	3/4	136,317	3/4	120,558	3/4	9		9		9		214,539		198,881		183,213		167,499		151,744		135,989		120,230		1/4	1/4	1/4	1/4	1/4	1/4	214,215	1/4	198,554	1/4	182,887	1/4	167,171	1/4	151,416	1/4	135,660	1/4	119,902	1/4	1/2	1/2	1/2	1/2	1/2	1/2	213,892	1/2	198,228	1/2	182,560	1/2	166,842	1/2	151,087	1/2	135,332	1/2	119,573	1/2	3/4	3/4	3/4	3/4	3/4	3/4	213,569	3/4	197,901	3/4	182,234	3/4	166,514	3/4	150,759	3/4	135,004	3/4	119,245	3/4	10		10		10		213,242		197,575		181,907		166,186		150,431		134,676		118,917		1/4	1/4	1/4	1/4	1/4	1/4	212,916	1/4	197,248	1/4	181,581	1/4	165,858	1/4	150,103	1/4	134,347	1/4	118,588	1/4	1/2	1/2	1/2	1/2	1/2	1/2	212,590	1/2	196,922	1/2	181,255	1/2	165,530	1/2	149,774	1/2	134,019	1/2	118,260	1/2	3/4	3/4	3/4	3/4	3/4	3/4	212,263	3/4	196,596	3/4	180,928	3/4	165,201	3/4	149,446	3/4	133,691	3/4	117,932	3/4	11		11		11		211,937		196,269		180,602		164,873		149,118		133,362		117,604		1/4	1/4	1/4	1/4	1/4	1/4	211,610	1/4	195,943	1/4	180,275	1/4	164,545	1/4	148,790	1/4	133,034	1/4	117,275	1/4	1/2	1/2	1/2	1/2	1/2	1/2	211,284	1/2	195,616	1/2	179,949	1/2	164,217	1/2	148,461	1/2	132,706	1/2	116,947	1/2	3/4	3/4	3/4	3/4	3/4	3/4	210,958	3/4	195,290	3/4	179,623	3/4	163,888	3/4	148,133	3/4	132,377	3/4	116,619	3/4																																																																																																																																																																																																								
1/2	1/2	1/2	1/2	1/2	1/2	222,583	1/2	207,367	1/2	191,700	1/2	176,031	1/2	160,278	1/2	144,523	1/2	128,766	1/2	3/4	3/4	3/4	3/4	3/4	3/4	222,363	3/4	207,041	3/4	191,373	3/4	175,705	3/4	159,950	3/4	144,194	3/4	128,438	3/4	3		3		3		222,089		206,714		191,047		175,376		159,621		143,866		128,109		1/4	1/4	1/4	1/4	1/4	1/4	221,815	1/4	206,388	1/4	190,720	1/4	175,048	1/4	159,293	1/4	143,538	1/4	127,781	1/4	1/2	1/2	1/2	1/2	1/2	1/2	221,541	1/2	206,061	1/2	190,394	1/2	174,720	1/2	158,965	1/2	143,210	1/2	127,453	1/2	3/4	3/4	3/4	3/4	3/4	3/4	221,267	3/4	205,735	3/4	190,068	3/4	174,392	3/4	158,637	3/4	142,882	3/4	127,125	3/4	4		4		4		220,952		205,409		189,741		174,064		158,308		142,553		126,796		1/4	1/4	1/4	1/4	1/4	1/4	220,638	1/4	205,082	1/4	189,415	1/4	173,735	1/4	157,980	1/4	142,225	1/4	126,468	1/4	1/2	1/2	1/2	1/2	1/2	1/2	220,323	1/2	204,756	1/2	189,088	1/2	173,407	1/2	157,652	1/2	141,897	1/2	126,140	1/2	3/4	3/4	3/4	3/4	3/4	3/4	220,009	3/4	204,429	3/4	188,762	3/4	173,079	3/4	157,324	3/4	141,569	3/4	125,811	3/4	5		5		5		219,689		204,103		188,435		172,751		156,996		141,240		125,483		1/4	1/4	1/4	1/4	1/4	1/4	219,368	1/4	203,777	1/4	188,109	1/4	172,422	1/4	156,667	1/4	140,912	1/4	125,155	1/4	1/2	1/2	1/2	1/2	1/2	1/2	219,048	1/2	203,450	1/2	187,783	1/2	172,094	1/2	156,339	1/2	140,584	1/2	124,826	1/2	3/4	3/4	3/4	3/4	3/4	3/4	218,728	3/4	203,124	3/4	187,456	3/4	171,766	3/4	156,011	3/4	140,256	3/4	124,498	3/4	6		6		6		218,406		202,797		187,130		171,438		155,683		139,927		124,170		1/4	1/4	1/4	1/4	1/4	1/4	218,085	1/4	202,471	1/4	186,803	1/4	171,109	1/4	155,354	1/4	139,599	1/4	123,841	1/4	1/2	1/2	1/2	1/2	1/2	1/2	217,763	1/2	202,145	1/2	186,477	1/2	170,781	1/2	155,026	1/2	139,271	1/2	123,513	1/2	3/4	3/4	3/4	3/4	3/4	3/4	217,442	3/4	201,818	3/4	186,151	3/4	170,453	3/4	154,698	3/4	138,943	3/4	123,185	3/4	7		7		7		217,120		201,492		185,824		170,125		154,370		138,615		122,857		1/4	1/4	1/4	1/4	1/4	1/4	216,797	1/4	201,165	1/4	185,498	1/4	169,797	1/4	154,041	1/4	138,286	1/4	122,528	1/4	1/2	1/2	1/2	1/2	1/2	1/2	216,475	1/2	200,839	1/2	185,171	1/2	169,468	1/2	153,713	1/2	137,958	1/2	122,200	1/2	3/4	3/4	3/4	3/4	3/4	3/4	216,153	3/4	200,513	3/4	184,845	3/4	169,140	3/4	153,385	3/4	137,630	3/4	121,872	3/4	8		8		8		215,830		200,186		184,519		168,812		153,057		137,302		121,543		1/4	1/4	1/4	1/4	1/4	1/4	215,507	1/4	199,860	1/4	184,192	1/4	168,484	1/4	152,729	1/4	136,973	1/4	121,215	1/4	1/2	1/2	1/2	1/2	1/2	1/2	215,185	1/2	199,533	1/2	183,866	1/2	168,155	1/2	152,400	1/2	136,645	1/2	120,887	1/2	3/4	3/4	3/4	3/4	3/4	3/4	214,862	3/4	199,207	3/4	183,539	3/4	167,827	3/4	152,072	3/4	136,317	3/4	120,558	3/4	9		9		9		214,539		198,881		183,213		167,499		151,744		135,989		120,230		1/4	1/4	1/4	1/4	1/4	1/4	214,215	1/4	198,554	1/4	182,887	1/4	167,171	1/4	151,416	1/4	135,660	1/4	119,902	1/4	1/2	1/2	1/2	1/2	1/2	1/2	213,892	1/2	198,228	1/2	182,560	1/2	166,842	1/2	151,087	1/2	135,332	1/2	119,573	1/2	3/4	3/4	3/4	3/4	3/4	3/4	213,569	3/4	197,901	3/4	182,234	3/4	166,514	3/4	150,759	3/4	135,004	3/4	119,245	3/4	10		10		10		213,242		197,575		181,907		166,186		150,431		134,676		118,917		1/4	1/4	1/4	1/4	1/4	1/4	212,916	1/4	197,248	1/4	181,581	1/4	165,858	1/4	150,103	1/4	134,347	1/4	118,588	1/4	1/2	1/2	1/2	1/2	1/2	1/2	212,590	1/2	196,922	1/2	181,255	1/2	165,530	1/2	149,774	1/2	134,019	1/2	118,260	1/2	3/4	3/4	3/4	3/4	3/4	3/4	212,263	3/4	196,596	3/4	180,928	3/4	165,201	3/4	149,446	3/4	133,691	3/4	117,932	3/4	11		11		11		211,937		196,269		180,602		164,873		149,118		133,362		117,604		1/4	1/4	1/4	1/4	1/4	1/4	211,610	1/4	195,943	1/4	180,275	1/4	164,545	1/4	148,790	1/4	133,034	1/4	117,275	1/4	1/2	1/2	1/2	1/2	1/2	1/2	211,284	1/2	195,616	1/2	179,949	1/2	164,217	1/2	148,461	1/2	132,706	1/2	116,947	1/2	3/4	3/4	3/4	3/4	3/4	3/4	210,958	3/4	195,290	3/4	179,623	3/4	163,888	3/4	148,133	3/4	132,377	3/4	116,619	3/4																																																																																																																																																																																																																												
3/4	3/4	3/4	3/4	3/4	3/4	222,363	3/4	207,041	3/4	191,373	3/4	175,705	3/4	159,950	3/4	144,194	3/4	128,438	3/4	3		3		3		222,089		206,714		191,047		175,376		159,621		143,866		128,109		1/4	1/4	1/4	1/4	1/4	1/4	221,815	1/4	206,388	1/4	190,720	1/4	175,048	1/4	159,293	1/4	143,538	1/4	127,781	1/4	1/2	1/2	1/2	1/2	1/2	1/2	221,541	1/2	206,061	1/2	190,394	1/2	174,720	1/2	158,965	1/2	143,210	1/2	127,453	1/2	3/4	3/4	3/4	3/4	3/4	3/4	221,267	3/4	205,735	3/4	190,068	3/4	174,392	3/4	158,637	3/4	142,882	3/4	127,125	3/4	4		4		4		220,952		205,409		189,741		174,064		158,308		142,553		126,796		1/4	1/4	1/4	1/4	1/4	1/4	220,638	1/4	205,082	1/4	189,415	1/4	173,735	1/4	157,980	1/4	142,225	1/4	126,468	1/4	1/2	1/2	1/2	1/2	1/2	1/2	220,323	1/2	204,756	1/2	189,088	1/2	173,407	1/2	157,652	1/2	141,897	1/2	126,140	1/2	3/4	3/4	3/4	3/4	3/4	3/4	220,009	3/4	204,429	3/4	188,762	3/4	173,079	3/4	157,324	3/4	141,569	3/4	125,811	3/4	5		5		5		219,689		204,103		188,435		172,751		156,996		141,240		125,483		1/4	1/4	1/4	1/4	1/4	1/4	219,368	1/4	203,777	1/4	188,109	1/4	172,422	1/4	156,667	1/4	140,912	1/4	125,155	1/4	1/2	1/2	1/2	1/2	1/2	1/2	219,048	1/2	203,450	1/2	187,783	1/2	172,094	1/2	156,339	1/2	140,584	1/2	124,826	1/2	3/4	3/4	3/4	3/4	3/4	3/4	218,728	3/4	203,124	3/4	187,456	3/4	171,766	3/4	156,011	3/4	140,256	3/4	124,498	3/4	6		6		6		218,406		202,797		187,130		171,438		155,683		139,927		124,170		1/4	1/4	1/4	1/4	1/4	1/4	218,085	1/4	202,471	1/4	186,803	1/4	171,109	1/4	155,354	1/4	139,599	1/4	123,841	1/4	1/2	1/2	1/2	1/2	1/2	1/2	217,763	1/2	202,145	1/2	186,477	1/2	170,781	1/2	155,026	1/2	139,271	1/2	123,513	1/2	3/4	3/4	3/4	3/4	3/4	3/4	217,442	3/4	201,818	3/4	186,151	3/4	170,453	3/4	154,698	3/4	138,943	3/4	123,185	3/4	7		7		7		217,120		201,492		185,824		170,125		154,370		138,615		122,857		1/4	1/4	1/4	1/4	1/4	1/4	216,797	1/4	201,165	1/4	185,498	1/4	169,797	1/4	154,041	1/4	138,286	1/4	122,528	1/4	1/2	1/2	1/2	1/2	1/2	1/2	216,475	1/2	200,839	1/2	185,171	1/2	169,468	1/2	153,713	1/2	137,958	1/2	122,200	1/2	3/4	3/4	3/4	3/4	3/4	3/4	216,153	3/4	200,513	3/4	184,845	3/4	169,140	3/4	153,385	3/4	137,630	3/4	121,872	3/4	8		8		8		215,830		200,186		184,519		168,812		153,057		137,302		121,543		1/4	1/4	1/4	1/4	1/4	1/4	215,507	1/4	199,860	1/4	184,192	1/4	168,484	1/4	152,729	1/4	136,973	1/4	121,215	1/4	1/2	1/2	1/2	1/2	1/2	1/2	215,185	1/2	199,533	1/2	183,866	1/2	168,155	1/2	152,400	1/2	136,645	1/2	120,887	1/2	3/4	3/4	3/4	3/4	3/4	3/4	214,862	3/4	199,207	3/4	183,539	3/4	167,827	3/4	152,072	3/4	136,317	3/4	120,558	3/4	9		9		9		214,539		198,881		183,213		167,499		151,744		135,989		120,230		1/4	1/4	1/4	1/4	1/4	1/4	214,215	1/4	198,554	1/4	182,887	1/4	167,171	1/4	151,416	1/4	135,660	1/4	119,902	1/4	1/2	1/2	1/2	1/2	1/2	1/2	213,892	1/2	198,228	1/2	182,560	1/2	166,842	1/2	151,087	1/2	135,332	1/2	119,573	1/2	3/4	3/4	3/4	3/4	3/4	3/4	213,569	3/4	197,901	3/4	182,234	3/4	166,514	3/4	150,759	3/4	135,004	3/4	119,245	3/4	10		10		10		213,242		197,575		181,907		166,186		150,431		134,676		118,917		1/4	1/4	1/4	1/4	1/4	1/4	212,916	1/4	197,248	1/4	181,581	1/4	165,858	1/4	150,103	1/4	134,347	1/4	118,588	1/4	1/2	1/2	1/2	1/2	1/2	1/2	212,590	1/2	196,922	1/2	181,255	1/2	165,530	1/2	149,774	1/2	134,019	1/2	118,260	1/2	3/4	3/4	3/4	3/4	3/4	3/4	212,263	3/4	196,596	3/4	180,928	3/4	165,201	3/4	149,446	3/4	133,691	3/4	117,932	3/4	11		11		11		211,937		196,269		180,602		164,873		149,118		133,362		117,604		1/4	1/4	1/4	1/4	1/4	1/4	211,610	1/4	195,943	1/4	180,275	1/4	164,545	1/4	148,790	1/4	133,034	1/4	117,275	1/4	1/2	1/2	1/2	1/2	1/2	1/2	211,284	1/2	195,616	1/2	179,949	1/2	164,217	1/2	148,461	1/2	132,706	1/2	116,947	1/2	3/4	3/4	3/4	3/4	3/4	3/4	210,958	3/4	195,290	3/4	179,623	3/4	163,888	3/4	148,133	3/4	132,377	3/4	116,619	3/4																																																																																																																																																																																																																																																
3		3		3		222,089		206,714		191,047		175,376		159,621		143,866		128,109		1/4	1/4	1/4	1/4	1/4	1/4	221,815	1/4	206,388	1/4	190,720	1/4	175,048	1/4	159,293	1/4	143,538	1/4	127,781	1/4	1/2	1/2	1/2	1/2	1/2	1/2	221,541	1/2	206,061	1/2	190,394	1/2	174,720	1/2	158,965	1/2	143,210	1/2	127,453	1/2	3/4	3/4	3/4	3/4	3/4	3/4	221,267	3/4	205,735	3/4	190,068	3/4	174,392	3/4	158,637	3/4	142,882	3/4	127,125	3/4	4		4		4		220,952		205,409		189,741		174,064		158,308		142,553		126,796		1/4	1/4	1/4	1/4	1/4	1/4	220,638	1/4	205,082	1/4	189,415	1/4	173,735	1/4	157,980	1/4	142,225	1/4	126,468	1/4	1/2	1/2	1/2	1/2	1/2	1/2	220,323	1/2	204,756	1/2	189,088	1/2	173,407	1/2	157,652	1/2	141,897	1/2	126,140	1/2	3/4	3/4	3/4	3/4	3/4	3/4	220,009	3/4	204,429	3/4	188,762	3/4	173,079	3/4	157,324	3/4	141,569	3/4	125,811	3/4	5		5		5		219,689		204,103		188,435		172,751		156,996		141,240		125,483		1/4	1/4	1/4	1/4	1/4	1/4	219,368	1/4	203,777	1/4	188,109	1/4	172,422	1/4	156,667	1/4	140,912	1/4	125,155	1/4	1/2	1/2	1/2	1/2	1/2	1/2	219,048	1/2	203,450	1/2	187,783	1/2	172,094	1/2	156,339	1/2	140,584	1/2	124,826	1/2	3/4	3/4	3/4	3/4	3/4	3/4	218,728	3/4	203,124	3/4	187,456	3/4	171,766	3/4	156,011	3/4	140,256	3/4	124,498	3/4	6		6		6		218,406		202,797		187,130		171,438		155,683		139,927		124,170		1/4	1/4	1/4	1/4	1/4	1/4	218,085	1/4	202,471	1/4	186,803	1/4	171,109	1/4	155,354	1/4	139,599	1/4	123,841	1/4	1/2	1/2	1/2	1/2	1/2	1/2	217,763	1/2	202,145	1/2	186,477	1/2	170,781	1/2	155,026	1/2	139,271	1/2	123,513	1/2	3/4	3/4	3/4	3/4	3/4	3/4	217,442	3/4	201,818	3/4	186,151	3/4	170,453	3/4	154,698	3/4	138,943	3/4	123,185	3/4	7		7		7		217,120		201,492		185,824		170,125		154,370		138,615		122,857		1/4	1/4	1/4	1/4	1/4	1/4	216,797	1/4	201,165	1/4	185,498	1/4	169,797	1/4	154,041	1/4	138,286	1/4	122,528	1/4	1/2	1/2	1/2	1/2	1/2	1/2	216,475	1/2	200,839	1/2	185,171	1/2	169,468	1/2	153,713	1/2	137,958	1/2	122,200	1/2	3/4	3/4	3/4	3/4	3/4	3/4	216,153	3/4	200,513	3/4	184,845	3/4	169,140	3/4	153,385	3/4	137,630	3/4	121,872	3/4	8		8		8		215,830		200,186		184,519		168,812		153,057		137,302		121,543		1/4	1/4	1/4	1/4	1/4	1/4	215,507	1/4	199,860	1/4	184,192	1/4	168,484	1/4	152,729	1/4	136,973	1/4	121,215	1/4	1/2	1/2	1/2	1/2	1/2	1/2	215,185	1/2	199,533	1/2	183,866	1/2	168,155	1/2	152,400	1/2	136,645	1/2	120,887	1/2	3/4	3/4	3/4	3/4	3/4	3/4	214,862	3/4	199,207	3/4	183,539	3/4	167,827	3/4	152,072	3/4	136,317	3/4	120,558	3/4	9		9		9		214,539		198,881		183,213		167,499		151,744		135,989		120,230		1/4	1/4	1/4	1/4	1/4	1/4	214,215	1/4	198,554	1/4	182,887	1/4	167,171	1/4	151,416	1/4	135,660	1/4	119,902	1/4	1/2	1/2	1/2	1/2	1/2	1/2	213,892	1/2	198,228	1/2	182,560	1/2	166,842	1/2	151,087	1/2	135,332	1/2	119,573	1/2	3/4	3/4	3/4	3/4	3/4	3/4	213,569	3/4	197,901	3/4	182,234	3/4	166,514	3/4	150,759	3/4	135,004	3/4	119,245	3/4	10		10		10		213,242		197,575		181,907		166,186		150,431		134,676		118,917		1/4	1/4	1/4	1/4	1/4	1/4	212,916	1/4	197,248	1/4	181,581	1/4	165,858	1/4	150,103	1/4	134,347	1/4	118,588	1/4	1/2	1/2	1/2	1/2	1/2	1/2	212,590	1/2	196,922	1/2	181,255	1/2	165,530	1/2	149,774	1/2	134,019	1/2	118,260	1/2	3/4	3/4	3/4	3/4	3/4	3/4	212,263	3/4	196,596	3/4	180,928	3/4	165,201	3/4	149,446	3/4	133,691	3/4	117,932	3/4	11		11		11		211,937		196,269		180,602		164,873		149,118		133,362		117,604		1/4	1/4	1/4	1/4	1/4	1/4	211,610	1/4	195,943	1/4	180,275	1/4	164,545	1/4	148,790	1/4	133,034	1/4	117,275	1/4	1/2	1/2	1/2	1/2	1/2	1/2	211,284	1/2	195,616	1/2	179,949	1/2	164,217	1/2	148,461	1/2	132,706	1/2	116,947	1/2	3/4	3/4	3/4	3/4	3/4	3/4	210,958	3/4	195,290	3/4	179,623	3/4	163,888	3/4	148,133	3/4	132,377	3/4	116,619	3/4																																																																																																																																																																																																																																																																				
1/4	1/4	1/4	1/4	1/4	1/4	221,815	1/4	206,388	1/4	190,720	1/4	175,048	1/4	159,293	1/4	143,538	1/4	127,781	1/4	1/2	1/2	1/2	1/2	1/2	1/2	221,541	1/2	206,061	1/2	190,394	1/2	174,720	1/2	158,965	1/2	143,210	1/2	127,453	1/2	3/4	3/4	3/4	3/4	3/4	3/4	221,267	3/4	205,735	3/4	190,068	3/4	174,392	3/4	158,637	3/4	142,882	3/4	127,125	3/4	4		4		4		220,952		205,409		189,741		174,064		158,308		142,553		126,796		1/4	1/4	1/4	1/4	1/4	1/4	220,638	1/4	205,082	1/4	189,415	1/4	173,735	1/4	157,980	1/4	142,225	1/4	126,468	1/4	1/2	1/2	1/2	1/2	1/2	1/2	220,323	1/2	204,756	1/2	189,088	1/2	173,407	1/2	157,652	1/2	141,897	1/2	126,140	1/2	3/4	3/4	3/4	3/4	3/4	3/4	220,009	3/4	204,429	3/4	188,762	3/4	173,079	3/4	157,324	3/4	141,569	3/4	125,811	3/4	5		5		5		219,689		204,103		188,435		172,751		156,996		141,240		125,483		1/4	1/4	1/4	1/4	1/4	1/4	219,368	1/4	203,777	1/4	188,109	1/4	172,422	1/4	156,667	1/4	140,912	1/4	125,155	1/4	1/2	1/2	1/2	1/2	1/2	1/2	219,048	1/2	203,450	1/2	187,783	1/2	172,094	1/2	156,339	1/2	140,584	1/2	124,826	1/2	3/4	3/4	3/4	3/4	3/4	3/4	218,728	3/4	203,124	3/4	187,456	3/4	171,766	3/4	156,011	3/4	140,256	3/4	124,498	3/4	6		6		6		218,406		202,797		187,130		171,438		155,683		139,927		124,170		1/4	1/4	1/4	1/4	1/4	1/4	218,085	1/4	202,471	1/4	186,803	1/4	171,109	1/4	155,354	1/4	139,599	1/4	123,841	1/4	1/2	1/2	1/2	1/2	1/2	1/2	217,763	1/2	202,145	1/2	186,477	1/2	170,781	1/2	155,026	1/2	139,271	1/2	123,513	1/2	3/4	3/4	3/4	3/4	3/4	3/4	217,442	3/4	201,818	3/4	186,151	3/4	170,453	3/4	154,698	3/4	138,943	3/4	123,185	3/4	7		7		7		217,120		201,492		185,824		170,125		154,370		138,615		122,857		1/4	1/4	1/4	1/4	1/4	1/4	216,797	1/4	201,165	1/4	185,498	1/4	169,797	1/4	154,041	1/4	138,286	1/4	122,528	1/4	1/2	1/2	1/2	1/2	1/2	1/2	216,475	1/2	200,839	1/2	185,171	1/2	169,468	1/2	153,713	1/2	137,958	1/2	122,200	1/2	3/4	3/4	3/4	3/4	3/4	3/4	216,153	3/4	200,513	3/4	184,845	3/4	169,140	3/4	153,385	3/4	137,630	3/4	121,872	3/4	8		8		8		215,830		200,186		184,519		168,812		153,057		137,302		121,543		1/4	1/4	1/4	1/4	1/4	1/4	215,507	1/4	199,860	1/4	184,192	1/4	168,484	1/4	152,729	1/4	136,973	1/4	121,215	1/4	1/2	1/2	1/2	1/2	1/2	1/2	215,185	1/2	199,533	1/2	183,866	1/2	168,155	1/2	152,400	1/2	136,645	1/2	120,887	1/2	3/4	3/4	3/4	3/4	3/4	3/4	214,862	3/4	199,207	3/4	183,539	3/4	167,827	3/4	152,072	3/4	136,317	3/4	120,558	3/4	9		9		9		214,539		198,881		183,213		167,499		151,744		135,989		120,230		1/4	1/4	1/4	1/4	1/4	1/4	214,215	1/4	198,554	1/4	182,887	1/4	167,171	1/4	151,416	1/4	135,660	1/4	119,902	1/4	1/2	1/2	1/2	1/2	1/2	1/2	213,892	1/2	198,228	1/2	182,560	1/2	166,842	1/2	151,087	1/2	135,332	1/2	119,573	1/2	3/4	3/4	3/4	3/4	3/4	3/4	213,569	3/4	197,901	3/4	182,234	3/4	166,514	3/4	150,759	3/4	135,004	3/4	119,245	3/4	10		10		10		213,242		197,575		181,907		166,186		150,431		134,676		118,917		1/4	1/4	1/4	1/4	1/4	1/4	212,916	1/4	197,248	1/4	181,581	1/4	165,858	1/4	150,103	1/4	134,347	1/4	118,588	1/4	1/2	1/2	1/2	1/2	1/2	1/2	212,590	1/2	196,922	1/2	181,255	1/2	165,530	1/2	149,774	1/2	134,019	1/2	118,260	1/2	3/4	3/4	3/4	3/4	3/4	3/4	212,263	3/4	196,596	3/4	180,928	3/4	165,201	3/4	149,446	3/4	133,691	3/4	117,932	3/4	11		11		11		211,937		196,269		180,602		164,873		149,118		133,362		117,604		1/4	1/4	1/4	1/4	1/4	1/4	211,610	1/4	195,943	1/4	180,275	1/4	164,545	1/4	148,790	1/4	133,034	1/4	117,275	1/4	1/2	1/2	1/2	1/2	1/2	1/2	211,284	1/2	195,616	1/2	179,949	1/2	164,217	1/2	148,461	1/2	132,706	1/2	116,947	1/2	3/4	3/4	3/4	3/4	3/4	3/4	210,958	3/4	195,290	3/4	179,623	3/4	163,888	3/4	148,133	3/4	132,377	3/4	116,619	3/4																																																																																																																																																																																																																																																																																								
1/2	1/2	1/2	1/2	1/2	1/2	221,541	1/2	206,061	1/2	190,394	1/2	174,720	1/2	158,965	1/2	143,210	1/2	127,453	1/2	3/4	3/4	3/4	3/4	3/4	3/4	221,267	3/4	205,735	3/4	190,068	3/4	174,392	3/4	158,637	3/4	142,882	3/4	127,125	3/4	4		4		4		220,952		205,409		189,741		174,064		158,308		142,553		126,796		1/4	1/4	1/4	1/4	1/4	1/4	220,638	1/4	205,082	1/4	189,415	1/4	173,735	1/4	157,980	1/4	142,225	1/4	126,468	1/4	1/2	1/2	1/2	1/2	1/2	1/2	220,323	1/2	204,756	1/2	189,088	1/2	173,407	1/2	157,652	1/2	141,897	1/2	126,140	1/2	3/4	3/4	3/4	3/4	3/4	3/4	220,009	3/4	204,429	3/4	188,762	3/4	173,079	3/4	157,324	3/4	141,569	3/4	125,811	3/4	5		5		5		219,689		204,103		188,435		172,751		156,996		141,240		125,483		1/4	1/4	1/4	1/4	1/4	1/4	219,368	1/4	203,777	1/4	188,109	1/4	172,422	1/4	156,667	1/4	140,912	1/4	125,155	1/4	1/2	1/2	1/2	1/2	1/2	1/2	219,048	1/2	203,450	1/2	187,783	1/2	172,094	1/2	156,339	1/2	140,584	1/2	124,826	1/2	3/4	3/4	3/4	3/4	3/4	3/4	218,728	3/4	203,124	3/4	187,456	3/4	171,766	3/4	156,011	3/4	140,256	3/4	124,498	3/4	6		6		6		218,406		202,797		187,130		171,438		155,683		139,927		124,170		1/4	1/4	1/4	1/4	1/4	1/4	218,085	1/4	202,471	1/4	186,803	1/4	171,109	1/4	155,354	1/4	139,599	1/4	123,841	1/4	1/2	1/2	1/2	1/2	1/2	1/2	217,763	1/2	202,145	1/2	186,477	1/2	170,781	1/2	155,026	1/2	139,271	1/2	123,513	1/2	3/4	3/4	3/4	3/4	3/4	3/4	217,442	3/4	201,818	3/4	186,151	3/4	170,453	3/4	154,698	3/4	138,943	3/4	123,185	3/4	7		7		7		217,120		201,492		185,824		170,125		154,370		138,615		122,857		1/4	1/4	1/4	1/4	1/4	1/4	216,797	1/4	201,165	1/4	185,498	1/4	169,797	1/4	154,041	1/4	138,286	1/4	122,528	1/4	1/2	1/2	1/2	1/2	1/2	1/2	216,475	1/2	200,839	1/2	185,171	1/2	169,468	1/2	153,713	1/2	137,958	1/2	122,200	1/2	3/4	3/4	3/4	3/4	3/4	3/4	216,153	3/4	200,513	3/4	184,845	3/4	169,140	3/4	153,385	3/4	137,630	3/4	121,872	3/4	8		8		8		215,830		200,186		184,519		168,812		153,057		137,302		121,543		1/4	1/4	1/4	1/4	1/4	1/4	215,507	1/4	199,860	1/4	184,192	1/4	168,484	1/4	152,729	1/4	136,973	1/4	121,215	1/4	1/2	1/2	1/2	1/2	1/2	1/2	215,185	1/2	199,533	1/2	183,866	1/2	168,155	1/2	152,400	1/2	136,645	1/2	120,887	1/2	3/4	3/4	3/4	3/4	3/4	3/4	214,862	3/4	199,207	3/4	183,539	3/4	167,827	3/4	152,072	3/4	136,317	3/4	120,558	3/4	9		9		9		214,539		198,881		183,213		167,499		151,744		135,989		120,230		1/4	1/4	1/4	1/4	1/4	1/4	214,215	1/4	198,554	1/4	182,887	1/4	167,171	1/4	151,416	1/4	135,660	1/4	119,902	1/4	1/2	1/2	1/2	1/2	1/2	1/2	213,892	1/2	198,228	1/2	182,560	1/2	166,842	1/2	151,087	1/2	135,332	1/2	119,573	1/2	3/4	3/4	3/4	3/4	3/4	3/4	213,569	3/4	197,901	3/4	182,234	3/4	166,514	3/4	150,759	3/4	135,004	3/4	119,245	3/4	10		10		10		213,242		197,575		181,907		166,186		150,431		134,676		118,917		1/4	1/4	1/4	1/4	1/4	1/4	212,916	1/4	197,248	1/4	181,581	1/4	165,858	1/4	150,103	1/4	134,347	1/4	118,588	1/4	1/2	1/2	1/2	1/2	1/2	1/2	212,590	1/2	196,922	1/2	181,255	1/2	165,530	1/2	149,774	1/2	134,019	1/2	118,260	1/2	3/4	3/4	3/4	3/4	3/4	3/4	212,263	3/4	196,596	3/4	180,928	3/4	165,201	3/4	149,446	3/4	133,691	3/4	117,932	3/4	11		11		11		211,937		196,269		180,602		164,873		149,118		133,362		117,604		1/4	1/4	1/4	1/4	1/4	1/4	211,610	1/4	195,943	1/4	180,275	1/4	164,545	1/4	148,790	1/4	133,034	1/4	117,275	1/4	1/2	1/2	1/2	1/2	1/2	1/2	211,284	1/2	195,616	1/2	179,949	1/2	164,217	1/2	148,461	1/2	132,706	1/2	116,947	1/2	3/4	3/4	3/4	3/4	3/4	3/4	210,958	3/4	195,290	3/4	179,623	3/4	163,888	3/4	148,133	3/4	132,377	3/4	116,619	3/4																																																																																																																																																																																																																																																																																																												
3/4	3/4	3/4	3/4	3/4	3/4	221,267	3/4	205,735	3/4	190,068	3/4	174,392	3/4	158,637	3/4	142,882	3/4	127,125	3/4	4		4		4		220,952		205,409		189,741		174,064		158,308		142,553		126,796		1/4	1/4	1/4	1/4	1/4	1/4	220,638	1/4	205,082	1/4	189,415	1/4	173,735	1/4	157,980	1/4	142,225	1/4	126,468	1/4	1/2	1/2	1/2	1/2	1/2	1/2	220,323	1/2	204,756	1/2	189,088	1/2	173,407	1/2	157,652	1/2	141,897	1/2	126,140	1/2	3/4	3/4	3/4	3/4	3/4	3/4	220,009	3/4	204,429	3/4	188,762	3/4	173,079	3/4	157,324	3/4	141,569	3/4	125,811	3/4	5		5		5		219,689		204,103		188,435		172,751		156,996		141,240		125,483		1/4	1/4	1/4	1/4	1/4	1/4	219,368	1/4	203,777	1/4	188,109	1/4	172,422	1/4	156,667	1/4	140,912	1/4	125,155	1/4	1/2	1/2	1/2	1/2	1/2	1/2	219,048	1/2	203,450	1/2	187,783	1/2	172,094	1/2	156,339	1/2	140,584	1/2	124,826	1/2	3/4	3/4	3/4	3/4	3/4	3/4	218,728	3/4	203,124	3/4	187,456	3/4	171,766	3/4	156,011	3/4	140,256	3/4	124,498	3/4	6		6		6		218,406		202,797		187,130		171,438		155,683		139,927		124,170		1/4	1/4	1/4	1/4	1/4	1/4	218,085	1/4	202,471	1/4	186,803	1/4	171,109	1/4	155,354	1/4	139,599	1/4	123,841	1/4	1/2	1/2	1/2	1/2	1/2	1/2	217,763	1/2	202,145	1/2	186,477	1/2	170,781	1/2	155,026	1/2	139,271	1/2	123,513	1/2	3/4	3/4	3/4	3/4	3/4	3/4	217,442	3/4	201,818	3/4	186,151	3/4	170,453	3/4	154,698	3/4	138,943	3/4	123,185	3/4	7		7		7		217,120		201,492		185,824		170,125		154,370		138,615		122,857		1/4	1/4	1/4	1/4	1/4	1/4	216,797	1/4	201,165	1/4	185,498	1/4	169,797	1/4	154,041	1/4	138,286	1/4	122,528	1/4	1/2	1/2	1/2	1/2	1/2	1/2	216,475	1/2	200,839	1/2	185,171	1/2	169,468	1/2	153,713	1/2	137,958	1/2	122,200	1/2	3/4	3/4	3/4	3/4	3/4	3/4	216,153	3/4	200,513	3/4	184,845	3/4	169,140	3/4	153,385	3/4	137,630	3/4	121,872	3/4	8		8		8		215,830		200,186		184,519		168,812		153,057		137,302		121,543		1/4	1/4	1/4	1/4	1/4	1/4	215,507	1/4	199,860	1/4	184,192	1/4	168,484	1/4	152,729	1/4	136,973	1/4	121,215	1/4	1/2	1/2	1/2	1/2	1/2	1/2	215,185	1/2	199,533	1/2	183,866	1/2	168,155	1/2	152,400	1/2	136,645	1/2	120,887	1/2	3/4	3/4	3/4	3/4	3/4	3/4	214,862	3/4	199,207	3/4	183,539	3/4	167,827	3/4	152,072	3/4	136,317	3/4	120,558	3/4	9		9		9		214,539		198,881		183,213		167,499		151,744		135,989		120,230		1/4	1/4	1/4	1/4	1/4	1/4	214,215	1/4	198,554	1/4	182,887	1/4	167,171	1/4	151,416	1/4	135,660	1/4	119,902	1/4	1/2	1/2	1/2	1/2	1/2	1/2	213,892	1/2	198,228	1/2	182,560	1/2	166,842	1/2	151,087	1/2	135,332	1/2	119,573	1/2	3/4	3/4	3/4	3/4	3/4	3/4	213,569	3/4	197,901	3/4	182,234	3/4	166,514	3/4	150,759	3/4	135,004	3/4	119,245	3/4	10		10		10		213,242		197,575		181,907		166,186		150,431		134,676		118,917		1/4	1/4	1/4	1/4	1/4	1/4	212,916	1/4	197,248	1/4	181,581	1/4	165,858	1/4	150,103	1/4	134,347	1/4	118,588	1/4	1/2	1/2	1/2	1/2	1/2	1/2	212,590	1/2	196,922	1/2	181,255	1/2	165,530	1/2	149,774	1/2	134,019	1/2	118,260	1/2	3/4	3/4	3/4	3/4	3/4	3/4	212,263	3/4	196,596	3/4	180,928	3/4	165,201	3/4	149,446	3/4	133,691	3/4	117,932	3/4	11		11		11		211,937		196,269		180,602		164,873		149,118		133,362		117,604		1/4	1/4	1/4	1/4	1/4	1/4	211,610	1/4	195,943	1/4	180,275	1/4	164,545	1/4	148,790	1/4	133,034	1/4	117,275	1/4	1/2	1/2	1/2	1/2	1/2	1/2	211,284	1/2	195,616	1/2	179,949	1/2	164,217	1/2	148,461	1/2	132,706	1/2	116,947	1/2	3/4	3/4	3/4	3/4	3/4	3/4	210,958	3/4	195,290	3/4	179,623	3/4	163,888	3/4	148,133	3/4	132,377	3/4	116,619	3/4																																																																																																																																																																																																																																																																																																																																
4		4		4		220,952		205,409		189,741		174,064		158,308		142,553		126,796		1/4	1/4	1/4	1/4	1/4	1/4	220,638	1/4	205,082	1/4	189,415	1/4	173,735	1/4	157,980	1/4	142,225	1/4	126,468	1/4	1/2	1/2	1/2	1/2	1/2	1/2	220,323	1/2	204,756	1/2	189,088	1/2	173,407	1/2	157,652	1/2	141,897	1/2	126,140	1/2	3/4	3/4	3/4	3/4	3/4	3/4	220,009	3/4	204,429	3/4	188,762	3/4	173,079	3/4	157,324	3/4	141,569	3/4	125,811	3/4	5		5		5		219,689		204,103		188,435		172,751		156,996		141,240		125,483		1/4	1/4	1/4	1/4	1/4	1/4	219,368	1/4	203,777	1/4	188,109	1/4	172,422	1/4	156,667	1/4	140,912	1/4	125,155	1/4	1/2	1/2	1/2	1/2	1/2	1/2	219,048	1/2	203,450	1/2	187,783	1/2	172,094	1/2	156,339	1/2	140,584	1/2	124,826	1/2	3/4	3/4	3/4	3/4	3/4	3/4	218,728	3/4	203,124	3/4	187,456	3/4	171,766	3/4	156,011	3/4	140,256	3/4	124,498	3/4	6		6		6		218,406		202,797		187,130		171,438		155,683		139,927		124,170		1/4	1/4	1/4	1/4	1/4	1/4	218,085	1/4	202,471	1/4	186,803	1/4	171,109	1/4	155,354	1/4	139,599	1/4	123,841	1/4	1/2	1/2	1/2	1/2	1/2	1/2	217,763	1/2	202,145	1/2	186,477	1/2	170,781	1/2	155,026	1/2	139,271	1/2	123,513	1/2	3/4	3/4	3/4	3/4	3/4	3/4	217,442	3/4	201,818	3/4	186,151	3/4	170,453	3/4	154,698	3/4	138,943	3/4	123,185	3/4	7		7		7		217,120		201,492		185,824		170,125		154,370		138,615		122,857		1/4	1/4	1/4	1/4	1/4	1/4	216,797	1/4	201,165	1/4	185,498	1/4	169,797	1/4	154,041	1/4	138,286	1/4	122,528	1/4	1/2	1/2	1/2	1/2	1/2	1/2	216,475	1/2	200,839	1/2	185,171	1/2	169,468	1/2	153,713	1/2	137,958	1/2	122,200	1/2	3/4	3/4	3/4	3/4	3/4	3/4	216,153	3/4	200,513	3/4	184,845	3/4	169,140	3/4	153,385	3/4	137,630	3/4	121,872	3/4	8		8		8		215,830		200,186		184,519		168,812		153,057		137,302		121,543		1/4	1/4	1/4	1/4	1/4	1/4	215,507	1/4	199,860	1/4	184,192	1/4	168,484	1/4	152,729	1/4	136,973	1/4	121,215	1/4	1/2	1/2	1/2	1/2	1/2	1/2	215,185	1/2	199,533	1/2	183,866	1/2	168,155	1/2	152,400	1/2	136,645	1/2	120,887	1/2	3/4	3/4	3/4	3/4	3/4	3/4	214,862	3/4	199,207	3/4	183,539	3/4	167,827	3/4	152,072	3/4	136,317	3/4	120,558	3/4	9		9		9		214,539		198,881		183,213		167,499		151,744		135,989		120,230		1/4	1/4	1/4	1/4	1/4	1/4	214,215	1/4	198,554	1/4	182,887	1/4	167,171	1/4	151,416	1/4	135,660	1/4	119,902	1/4	1/2	1/2	1/2	1/2	1/2	1/2	213,892	1/2	198,228	1/2	182,560	1/2	166,842	1/2	151,087	1/2	135,332	1/2	119,573	1/2	3/4	3/4	3/4	3/4	3/4	3/4	213,569	3/4	197,901	3/4	182,234	3/4	166,514	3/4	150,759	3/4	135,004	3/4	119,245	3/4	10		10		10		213,242		197,575		181,907		166,186		150,431		134,676		118,917		1/4	1/4	1/4	1/4	1/4	1/4	212,916	1/4	197,248	1/4	181,581	1/4	165,858	1/4	150,103	1/4	134,347	1/4	118,588	1/4	1/2	1/2	1/2	1/2	1/2	1/2	212,590	1/2	196,922	1/2	181,255	1/2	165,530	1/2	149,774	1/2	134,019	1/2	118,260	1/2	3/4	3/4	3/4	3/4	3/4	3/4	212,263	3/4	196,596	3/4	180,928	3/4	165,201	3/4	149,446	3/4	133,691	3/4	117,932	3/4	11		11		11		211,937		196,269		180,602		164,873		149,118		133,362		117,604		1/4	1/4	1/4	1/4	1/4	1/4	211,610	1/4	195,943	1/4	180,275	1/4	164,545	1/4	148,790	1/4	133,034	1/4	117,275	1/4	1/2	1/2	1/2	1/2	1/2	1/2	211,284	1/2	195,616	1/2	179,949	1/2	164,217	1/2	148,461	1/2	132,706	1/2	116,947	1/2	3/4	3/4	3/4	3/4	3/4	3/4	210,958	3/4	195,290	3/4	179,623	3/4	163,888	3/4	148,133	3/4	132,377	3/4	116,619	3/4																																																																																																																																																																																																																																																																																																																																																				
1/4	1/4	1/4	1/4	1/4	1/4	220,638	1/4	205,082	1/4	189,415	1/4	173,735	1/4	157,980	1/4	142,225	1/4	126,468	1/4	1/2	1/2	1/2	1/2	1/2	1/2	220,323	1/2	204,756	1/2	189,088	1/2	173,407	1/2	157,652	1/2	141,897	1/2	126,140	1/2	3/4	3/4	3/4	3/4	3/4	3/4	220,009	3/4	204,429	3/4	188,762	3/4	173,079	3/4	157,324	3/4	141,569	3/4	125,811	3/4	5		5		5		219,689		204,103		188,435		172,751		156,996		141,240		125,483		1/4	1/4	1/4	1/4	1/4	1/4	219,368	1/4	203,777	1/4	188,109	1/4	172,422	1/4	156,667	1/4	140,912	1/4	125,155	1/4	1/2	1/2	1/2	1/2	1/2	1/2	219,048	1/2	203,450	1/2	187,783	1/2	172,094	1/2	156,339	1/2	140,584	1/2	124,826	1/2	3/4	3/4	3/4	3/4	3/4	3/4	218,728	3/4	203,124	3/4	187,456	3/4	171,766	3/4	156,011	3/4	140,256	3/4	124,498	3/4	6		6		6		218,406		202,797		187,130		171,438		155,683		139,927		124,170		1/4	1/4	1/4	1/4	1/4	1/4	218,085	1/4	202,471	1/4	186,803	1/4	171,109	1/4	155,354	1/4	139,599	1/4	123,841	1/4	1/2	1/2	1/2	1/2	1/2	1/2	217,763	1/2	202,145	1/2	186,477	1/2	170,781	1/2	155,026	1/2	139,271	1/2	123,513	1/2	3/4	3/4	3/4	3/4	3/4	3/4	217,442	3/4	201,818	3/4	186,151	3/4	170,453	3/4	154,698	3/4	138,943	3/4	123,185	3/4	7		7		7		217,120		201,492		185,824		170,125		154,370		138,615		122,857		1/4	1/4	1/4	1/4	1/4	1/4	216,797	1/4	201,165	1/4	185,498	1/4	169,797	1/4	154,041	1/4	138,286	1/4	122,528	1/4	1/2	1/2	1/2	1/2	1/2	1/2	216,475	1/2	200,839	1/2	185,171	1/2	169,468	1/2	153,713	1/2	137,958	1/2	122,200	1/2	3/4	3/4	3/4	3/4	3/4	3/4	216,153	3/4	200,513	3/4	184,845	3/4	169,140	3/4	153,385	3/4	137,630	3/4	121,872	3/4	8		8		8		215,830		200,186		184,519		168,812		153,057		137,302		121,543		1/4	1/4	1/4	1/4	1/4	1/4	215,507	1/4	199,860	1/4	184,192	1/4	168,484	1/4	152,729	1/4	136,973	1/4	121,215	1/4	1/2	1/2	1/2	1/2	1/2	1/2	215,185	1/2	199,533	1/2	183,866	1/2	168,155	1/2	152,400	1/2	136,645	1/2	120,887	1/2	3/4	3/4	3/4	3/4	3/4	3/4	214,862	3/4	199,207	3/4	183,539	3/4	167,827	3/4	152,072	3/4	136,317	3/4	120,558	3/4	9		9		9		214,539		198,881		183,213		167,499		151,744		135,989		120,230		1/4	1/4	1/4	1/4	1/4	1/4	214,215	1/4	198,554	1/4	182,887	1/4	167,171	1/4	151,416	1/4	135,660	1/4	119,902	1/4	1/2	1/2	1/2	1/2	1/2	1/2	213,892	1/2	198,228	1/2	182,560	1/2	166,842	1/2	151,087	1/2	135,332	1/2	119,573	1/2	3/4	3/4	3/4	3/4	3/4	3/4	213,569	3/4	197,901	3/4	182,234	3/4	166,514	3/4	150,759	3/4	135,004	3/4	119,245	3/4	10		10		10		213,242		197,575		181,907		166,186		150,431		134,676		118,917		1/4	1/4	1/4	1/4	1/4	1/4	212,916	1/4	197,248	1/4	181,581	1/4	165,858	1/4	150,103	1/4	134,347	1/4	118,588	1/4	1/2	1/2	1/2	1/2	1/2	1/2	212,590	1/2	196,922	1/2	181,255	1/2	165,530	1/2	149,774	1/2	134,019	1/2	118,260	1/2	3/4	3/4	3/4	3/4	3/4	3/4	212,263	3/4	196,596	3/4	180,928	3/4	165,201	3/4	149,446	3/4	133,691	3/4	117,932	3/4	11		11		11		211,937		196,269		180,602		164,873		149,118		133,362		117,604		1/4	1/4	1/4	1/4	1/4	1/4	211,610	1/4	195,943	1/4	180,275	1/4	164,545	1/4	148,790	1/4	133,034	1/4	117,275	1/4	1/2	1/2	1/2	1/2	1/2	1/2	211,284	1/2	195,616	1/2	179,949	1/2	164,217	1/2	148,461	1/2	132,706	1/2	116,947	1/2	3/4	3/4	3/4	3/4	3/4	3/4	210,958	3/4	195,290	3/4	179,623	3/4	163,888	3/4	148,133	3/4	132,377	3/4	116,619	3/4																																																																																																																																																																																																																																																																																																																																																																								
1/2	1/2	1/2	1/2	1/2	1/2	220,323	1/2	204,756	1/2	189,088	1/2	173,407	1/2	157,652	1/2	141,897	1/2	126,140	1/2	3/4	3/4	3/4	3/4	3/4	3/4	220,009	3/4	204,429	3/4	188,762	3/4	173,079	3/4	157,324	3/4	141,569	3/4	125,811	3/4	5		5		5		219,689		204,103		188,435		172,751		156,996		141,240		125,483		1/4	1/4	1/4	1/4	1/4	1/4	219,368	1/4	203,777	1/4	188,109	1/4	172,422	1/4	156,667	1/4	140,912	1/4	125,155	1/4	1/2	1/2	1/2	1/2	1/2	1/2	219,048	1/2	203,450	1/2	187,783	1/2	172,094	1/2	156,339	1/2	140,584	1/2	124,826	1/2	3/4	3/4	3/4	3/4	3/4	3/4	218,728	3/4	203,124	3/4	187,456	3/4	171,766	3/4	156,011	3/4	140,256	3/4	124,498	3/4	6		6		6		218,406		202,797		187,130		171,438		155,683		139,927		124,170		1/4	1/4	1/4	1/4	1/4	1/4	218,085	1/4	202,471	1/4	186,803	1/4	171,109	1/4	155,354	1/4	139,599	1/4	123,841	1/4	1/2	1/2	1/2	1/2	1/2	1/2	217,763	1/2	202,145	1/2	186,477	1/2	170,781	1/2	155,026	1/2	139,271	1/2	123,513	1/2	3/4	3/4	3/4	3/4	3/4	3/4	217,442	3/4	201,818	3/4	186,151	3/4	170,453	3/4	154,698	3/4	138,943	3/4	123,185	3/4	7		7		7		217,120		201,492		185,824		170,125		154,370		138,615		122,857		1/4	1/4	1/4	1/4	1/4	1/4	216,797	1/4	201,165	1/4	185,498	1/4	169,797	1/4	154,041	1/4	138,286	1/4	122,528	1/4	1/2	1/2	1/2	1/2	1/2	1/2	216,475	1/2	200,839	1/2	185,171	1/2	169,468	1/2	153,713	1/2	137,958	1/2	122,200	1/2	3/4	3/4	3/4	3/4	3/4	3/4	216,153	3/4	200,513	3/4	184,845	3/4	169,140	3/4	153,385	3/4	137,630	3/4	121,872	3/4	8		8		8		215,830		200,186		184,519		168,812		153,057		137,302		121,543		1/4	1/4	1/4	1/4	1/4	1/4	215,507	1/4	199,860	1/4	184,192	1/4	168,484	1/4	152,729	1/4	136,973	1/4	121,215	1/4	1/2	1/2	1/2	1/2	1/2	1/2	215,185	1/2	199,533	1/2	183,866	1/2	168,155	1/2	152,400	1/2	136,645	1/2	120,887	1/2	3/4	3/4	3/4	3/4	3/4	3/4	214,862	3/4	199,207	3/4	183,539	3/4	167,827	3/4	152,072	3/4	136,317	3/4	120,558	3/4	9		9		9		214,539		198,881		183,213		167,499		151,744		135,989		120,230		1/4	1/4	1/4	1/4	1/4	1/4	214,215	1/4	198,554	1/4	182,887	1/4	167,171	1/4	151,416	1/4	135,660	1/4	119,902	1/4	1/2	1/2	1/2	1/2	1/2	1/2	213,892	1/2	198,228	1/2	182,560	1/2	166,842	1/2	151,087	1/2	135,332	1/2	119,573	1/2	3/4	3/4	3/4	3/4	3/4	3/4	213,569	3/4	197,901	3/4	182,234	3/4	166,514	3/4	150,759	3/4	135,004	3/4	119,245	3/4	10		10		10		213,242		197,575		181,907		166,186		150,431		134,676		118,917		1/4	1/4	1/4	1/4	1/4	1/4	212,916	1/4	197,248	1/4	181,581	1/4	165,858	1/4	150,103	1/4	134,347	1/4	118,588	1/4	1/2	1/2	1/2	1/2	1/2	1/2	212,590	1/2	196,922	1/2	181,255	1/2	165,530	1/2	149,774	1/2	134,019	1/2	118,260	1/2	3/4	3/4	3/4	3/4	3/4	3/4	212,263	3/4	196,596	3/4	180,928	3/4	165,201	3/4	149,446	3/4	133,691	3/4	117,932	3/4	11		11		11		211,937		196,269		180,602		164,873		149,118		133,362		117,604		1/4	1/4	1/4	1/4	1/4	1/4	211,610	1/4	195,943	1/4	180,275	1/4	164,545	1/4	148,790	1/4	133,034	1/4	117,275	1/4	1/2	1/2	1/2	1/2	1/2	1/2	211,284	1/2	195,616	1/2	179,949	1/2	164,217	1/2	148,461	1/2	132,706	1/2	116,947	1/2	3/4	3/4	3/4	3/4	3/4	3/4	210,958	3/4	195,290	3/4	179,623	3/4	163,888	3/4	148,133	3/4	132,377	3/4	116,619	3/4																																																																																																																																																																																																																																																																																																																																																																																												
3/4	3/4	3/4	3/4	3/4	3/4	220,009	3/4	204,429	3/4	188,762	3/4	173,079	3/4	157,324	3/4	141,569	3/4	125,811	3/4	5		5		5		219,689		204,103		188,435		172,751		156,996		141,240		125,483		1/4	1/4	1/4	1/4	1/4	1/4	219,368	1/4	203,777	1/4	188,109	1/4	172,422	1/4	156,667	1/4	140,912	1/4	125,155	1/4	1/2	1/2	1/2	1/2	1/2	1/2	219,048	1/2	203,450	1/2	187,783	1/2	172,094	1/2	156,339	1/2	140,584	1/2	124,826	1/2	3/4	3/4	3/4	3/4	3/4	3/4	218,728	3/4	203,124	3/4	187,456	3/4	171,766	3/4	156,011	3/4	140,256	3/4	124,498	3/4	6		6		6		218,406		202,797		187,130		171,438		155,683		139,927		124,170		1/4	1/4	1/4	1/4	1/4	1/4	218,085	1/4	202,471	1/4	186,803	1/4	171,109	1/4	155,354	1/4	139,599	1/4	123,841	1/4	1/2	1/2	1/2	1/2	1/2	1/2	217,763	1/2	202,145	1/2	186,477	1/2	170,781	1/2	155,026	1/2	139,271	1/2	123,513	1/2	3/4	3/4	3/4	3/4	3/4	3/4	217,442	3/4	201,818	3/4	186,151	3/4	170,453	3/4	154,698	3/4	138,943	3/4	123,185	3/4	7		7		7		217,120		201,492		185,824		170,125		154,370		138,615		122,857		1/4	1/4	1/4	1/4	1/4	1/4	216,797	1/4	201,165	1/4	185,498	1/4	169,797	1/4	154,041	1/4	138,286	1/4	122,528	1/4	1/2	1/2	1/2	1/2	1/2	1/2	216,475	1/2	200,839	1/2	185,171	1/2	169,468	1/2	153,713	1/2	137,958	1/2	122,200	1/2	3/4	3/4	3/4	3/4	3/4	3/4	216,153	3/4	200,513	3/4	184,845	3/4	169,140	3/4	153,385	3/4	137,630	3/4	121,872	3/4	8		8		8		215,830		200,186		184,519		168,812		153,057		137,302		121,543		1/4	1/4	1/4	1/4	1/4	1/4	215,507	1/4	199,860	1/4	184,192	1/4	168,484	1/4	152,729	1/4	136,973	1/4	121,215	1/4	1/2	1/2	1/2	1/2	1/2	1/2	215,185	1/2	199,533	1/2	183,866	1/2	168,155	1/2	152,400	1/2	136,645	1/2	120,887	1/2	3/4	3/4	3/4	3/4	3/4	3/4	214,862	3/4	199,207	3/4	183,539	3/4	167,827	3/4	152,072	3/4	136,317	3/4	120,558	3/4	9		9		9		214,539		198,881		183,213		167,499		151,744		135,989		120,230		1/4	1/4	1/4	1/4	1/4	1/4	214,215	1/4	198,554	1/4	182,887	1/4	167,171	1/4	151,416	1/4	135,660	1/4	119,902	1/4	1/2	1/2	1/2	1/2	1/2	1/2	213,892	1/2	198,228	1/2	182,560	1/2	166,842	1/2	151,087	1/2	135,332	1/2	119,573	1/2	3/4	3/4	3/4	3/4	3/4	3/4	213,569	3/4	197,901	3/4	182,234	3/4	166,514	3/4	150,759	3/4	135,004	3/4	119,245	3/4	10		10		10		213,242		197,575		181,907		166,186		150,431		134,676		118,917		1/4	1/4	1/4	1/4	1/4	1/4	212,916	1/4	197,248	1/4	181,581	1/4	165,858	1/4	150,103	1/4	134,347	1/4	118,588	1/4	1/2	1/2	1/2	1/2	1/2	1/2	212,590	1/2	196,922	1/2	181,255	1/2	165,530	1/2	149,774	1/2	134,019	1/2	118,260	1/2	3/4	3/4	3/4	3/4	3/4	3/4	212,263	3/4	196,596	3/4	180,928	3/4	165,201	3/4	149,446	3/4	133,691	3/4	117,932	3/4	11		11		11		211,937		196,269		180,602		164,873		149,118		133,362		117,604		1/4	1/4	1/4	1/4	1/4	1/4	211,610	1/4	195,943	1/4	180,275	1/4	164,545	1/4	148,790	1/4	133,034	1/4	117,275	1/4	1/2	1/2	1/2	1/2	1/2	1/2	211,284	1/2	195,616	1/2	179,949	1/2	164,217	1/2	148,461	1/2	132,706	1/2	116,947	1/2	3/4	3/4	3/4	3/4	3/4	3/4	210,958	3/4	195,290	3/4	179,623	3/4	163,888	3/4	148,133	3/4	132,377	3/4	116,619	3/4																																																																																																																																																																																																																																																																																																																																																																																																																
5		5		5		219,689		204,103		188,435		172,751		156,996		141,240		125,483		1/4	1/4	1/4	1/4	1/4	1/4	219,368	1/4	203,777	1/4	188,109	1/4	172,422	1/4	156,667	1/4	140,912	1/4	125,155	1/4	1/2	1/2	1/2	1/2	1/2	1/2	219,048	1/2	203,450	1/2	187,783	1/2	172,094	1/2	156,339	1/2	140,584	1/2	124,826	1/2	3/4	3/4	3/4	3/4	3/4	3/4	218,728	3/4	203,124	3/4	187,456	3/4	171,766	3/4	156,011	3/4	140,256	3/4	124,498	3/4	6		6		6		218,406		202,797		187,130		171,438		155,683		139,927		124,170		1/4	1/4	1/4	1/4	1/4	1/4	218,085	1/4	202,471	1/4	186,803	1/4	171,109	1/4	155,354	1/4	139,599	1/4	123,841	1/4	1/2	1/2	1/2	1/2	1/2	1/2	217,763	1/2	202,145	1/2	186,477	1/2	170,781	1/2	155,026	1/2	139,271	1/2	123,513	1/2	3/4	3/4	3/4	3/4	3/4	3/4	217,442	3/4	201,818	3/4	186,151	3/4	170,453	3/4	154,698	3/4	138,943	3/4	123,185	3/4	7		7		7		217,120		201,492		185,824		170,125		154,370		138,615		122,857		1/4	1/4	1/4	1/4	1/4	1/4	216,797	1/4	201,165	1/4	185,498	1/4	169,797	1/4	154,041	1/4	138,286	1/4	122,528	1/4	1/2	1/2	1/2	1/2	1/2	1/2	216,475	1/2	200,839	1/2	185,171	1/2	169,468	1/2	153,713	1/2	137,958	1/2	122,200	1/2	3/4	3/4	3/4	3/4	3/4	3/4	216,153	3/4	200,513	3/4	184,845	3/4	169,140	3/4	153,385	3/4	137,630	3/4	121,872	3/4	8		8		8		215,830		200,186		184,519		168,812		153,057		137,302		121,543		1/4	1/4	1/4	1/4	1/4	1/4	215,507	1/4	199,860	1/4	184,192	1/4	168,484	1/4	152,729	1/4	136,973	1/4	121,215	1/4	1/2	1/2	1/2	1/2	1/2	1/2	215,185	1/2	199,533	1/2	183,866	1/2	168,155	1/2	152,400	1/2	136,645	1/2	120,887	1/2	3/4	3/4	3/4	3/4	3/4	3/4	214,862	3/4	199,207	3/4	183,539	3/4	167,827	3/4	152,072	3/4	136,317	3/4	120,558	3/4	9		9		9		214,539		198,881		183,213		167,499		151,744		135,989		120,230		1/4	1/4	1/4	1/4	1/4	1/4	214,215	1/4	198,554	1/4	182,887	1/4	167,171	1/4	151,416	1/4	135,660	1/4	119,902	1/4	1/2	1/2	1/2	1/2	1/2	1/2	213,892	1/2	198,228	1/2	182,560	1/2	166,842	1/2	151,087	1/2	135,332	1/2	119,573	1/2	3/4	3/4	3/4	3/4	3/4	3/4	213,569	3/4	197,901	3/4	182,234	3/4	166,514	3/4	150,759	3/4	135,004	3/4	119,245	3/4	10		10		10		213,242		197,575		181,907		166,186		150,431		134,676		118,917		1/4	1/4	1/4	1/4	1/4	1/4	212,916	1/4	197,248	1/4	181,581	1/4	165,858	1/4	150,103	1/4	134,347	1/4	118,588	1/4	1/2	1/2	1/2	1/2	1/2	1/2	212,590	1/2	196,922	1/2	181,255	1/2	165,530	1/2	149,774	1/2	134,019	1/2	118,260	1/2	3/4	3/4	3/4	3/4	3/4	3/4	212,263	3/4	196,596	3/4	180,928	3/4	165,201	3/4	149,446	3/4	133,691	3/4	117,932	3/4	11		11		11		211,937		196,269		180,602		164,873		149,118		133,362		117,604		1/4	1/4	1/4	1/4	1/4	1/4	211,610	1/4	195,943	1/4	180,275	1/4	164,545	1/4	148,790	1/4	133,034	1/4	117,275	1/4	1/2	1/2	1/2	1/2	1/2	1/2	211,284	1/2	195,616	1/2	179,949	1/2	164,217	1/2	148,461	1/2	132,706	1/2	116,947	1/2	3/4	3/4	3/4	3/4	3/4	3/4	210,958	3/4	195,290	3/4	179,623	3/4	163,888	3/4	148,133	3/4	132,377	3/4	116,619	3/4																																																																																																																																																																																																																																																																																																																																																																																																																																				
1/4	1/4	1/4	1/4	1/4	1/4	219,368	1/4	203,777	1/4	188,109	1/4	172,422	1/4	156,667	1/4	140,912	1/4	125,155	1/4	1/2	1/2	1/2	1/2	1/2	1/2	219,048	1/2	203,450	1/2	187,783	1/2	172,094	1/2	156,339	1/2	140,584	1/2	124,826	1/2	3/4	3/4	3/4	3/4	3/4	3/4	218,728	3/4	203,124	3/4	187,456	3/4	171,766	3/4	156,011	3/4	140,256	3/4	124,498	3/4	6		6		6		218,406		202,797		187,130		171,438		155,683		139,927		124,170		1/4	1/4	1/4	1/4	1/4	1/4	218,085	1/4	202,471	1/4	186,803	1/4	171,109	1/4	155,354	1/4	139,599	1/4	123,841	1/4	1/2	1/2	1/2	1/2	1/2	1/2	217,763	1/2	202,145	1/2	186,477	1/2	170,781	1/2	155,026	1/2	139,271	1/2	123,513	1/2	3/4	3/4	3/4	3/4	3/4	3/4	217,442	3/4	201,818	3/4	186,151	3/4	170,453	3/4	154,698	3/4	138,943	3/4	123,185	3/4	7		7		7		217,120		201,492		185,824		170,125		154,370		138,615		122,857		1/4	1/4	1/4	1/4	1/4	1/4	216,797	1/4	201,165	1/4	185,498	1/4	169,797	1/4	154,041	1/4	138,286	1/4	122,528	1/4	1/2	1/2	1/2	1/2	1/2	1/2	216,475	1/2	200,839	1/2	185,171	1/2	169,468	1/2	153,713	1/2	137,958	1/2	122,200	1/2	3/4	3/4	3/4	3/4	3/4	3/4	216,153	3/4	200,513	3/4	184,845	3/4	169,140	3/4	153,385	3/4	137,630	3/4	121,872	3/4	8		8		8		215,830		200,186		184,519		168,812		153,057		137,302		121,543		1/4	1/4	1/4	1/4	1/4	1/4	215,507	1/4	199,860	1/4	184,192	1/4	168,484	1/4	152,729	1/4	136,973	1/4	121,215	1/4	1/2	1/2	1/2	1/2	1/2	1/2	215,185	1/2	199,533	1/2	183,866	1/2	168,155	1/2	152,400	1/2	136,645	1/2	120,887	1/2	3/4	3/4	3/4	3/4	3/4	3/4	214,862	3/4	199,207	3/4	183,539	3/4	167,827	3/4	152,072	3/4	136,317	3/4	120,558	3/4	9		9		9		214,539		198,881		183,213		167,499		151,744		135,989		120,230		1/4	1/4	1/4	1/4	1/4	1/4	214,215	1/4	198,554	1/4	182,887	1/4	167,171	1/4	151,416	1/4	135,660	1/4	119,902	1/4	1/2	1/2	1/2	1/2	1/2	1/2	213,892	1/2	198,228	1/2	182,560	1/2	166,842	1/2	151,087	1/2	135,332	1/2	119,573	1/2	3/4	3/4	3/4	3/4	3/4	3/4	213,569	3/4	197,901	3/4	182,234	3/4	166,514	3/4	150,759	3/4	135,004	3/4	119,245	3/4	10		10		10		213,242		197,575		181,907		166,186		150,431		134,676		118,917		1/4	1/4	1/4	1/4	1/4	1/4	212,916	1/4	197,248	1/4	181,581	1/4	165,858	1/4	150,103	1/4	134,347	1/4	118,588	1/4	1/2	1/2	1/2	1/2	1/2	1/2	212,590	1/2	196,922	1/2	181,255	1/2	165,530	1/2	149,774	1/2	134,019	1/2	118,260	1/2	3/4	3/4	3/4	3/4	3/4	3/4	212,263	3/4	196,596	3/4	180,928	3/4	165,201	3/4	149,446	3/4	133,691	3/4	117,932	3/4	11		11		11		211,937		196,269		180,602		164,873		149,118		133,362		117,604		1/4	1/4	1/4	1/4	1/4	1/4	211,610	1/4	195,943	1/4	180,275	1/4	164,545	1/4	148,790	1/4	133,034	1/4	117,275	1/4	1/2	1/2	1/2	1/2	1/2	1/2	211,284	1/2	195,616	1/2	179,949	1/2	164,217	1/2	148,461	1/2	132,706	1/2	116,947	1/2	3/4	3/4	3/4	3/4	3/4	3/4	210,958	3/4	195,290	3/4	179,623	3/4	163,888	3/4	148,133	3/4	132,377	3/4	116,619	3/4																																																																																																																																																																																																																																																																																																																																																																																																																																																								
1/2	1/2	1/2	1/2	1/2	1/2	219,048	1/2	203,450	1/2	187,783	1/2	172,094	1/2	156,339	1/2	140,584	1/2	124,826	1/2	3/4	3/4	3/4	3/4	3/4	3/4	218,728	3/4	203,124	3/4	187,456	3/4	171,766	3/4	156,011	3/4	140,256	3/4	124,498	3/4	6		6		6		218,406		202,797		187,130		171,438		155,683		139,927		124,170		1/4	1/4	1/4	1/4	1/4	1/4	218,085	1/4	202,471	1/4	186,803	1/4	171,109	1/4	155,354	1/4	139,599	1/4	123,841	1/4	1/2	1/2	1/2	1/2	1/2	1/2	217,763	1/2	202,145	1/2	186,477	1/2	170,781	1/2	155,026	1/2	139,271	1/2	123,513	1/2	3/4	3/4	3/4	3/4	3/4	3/4	217,442	3/4	201,818	3/4	186,151	3/4	170,453	3/4	154,698	3/4	138,943	3/4	123,185	3/4	7		7		7		217,120		201,492		185,824		170,125		154,370		138,615		122,857		1/4	1/4	1/4	1/4	1/4	1/4	216,797	1/4	201,165	1/4	185,498	1/4	169,797	1/4	154,041	1/4	138,286	1/4	122,528	1/4	1/2	1/2	1/2	1/2	1/2	1/2	216,475	1/2	200,839	1/2	185,171	1/2	169,468	1/2	153,713	1/2	137,958	1/2	122,200	1/2	3/4	3/4	3/4	3/4	3/4	3/4	216,153	3/4	200,513	3/4	184,845	3/4	169,140	3/4	153,385	3/4	137,630	3/4	121,872	3/4	8		8		8		215,830		200,186		184,519		168,812		153,057		137,302		121,543		1/4	1/4	1/4	1/4	1/4	1/4	215,507	1/4	199,860	1/4	184,192	1/4	168,484	1/4	152,729	1/4	136,973	1/4	121,215	1/4	1/2	1/2	1/2	1/2	1/2	1/2	215,185	1/2	199,533	1/2	183,866	1/2	168,155	1/2	152,400	1/2	136,645	1/2	120,887	1/2	3/4	3/4	3/4	3/4	3/4	3/4	214,862	3/4	199,207	3/4	183,539	3/4	167,827	3/4	152,072	3/4	136,317	3/4	120,558	3/4	9		9		9		214,539		198,881		183,213		167,499		151,744		135,989		120,230		1/4	1/4	1/4	1/4	1/4	1/4	214,215	1/4	198,554	1/4	182,887	1/4	167,171	1/4	151,416	1/4	135,660	1/4	119,902	1/4	1/2	1/2	1/2	1/2	1/2	1/2	213,892	1/2	198,228	1/2	182,560	1/2	166,842	1/2	151,087	1/2	135,332	1/2	119,573	1/2	3/4	3/4	3/4	3/4	3/4	3/4	213,569	3/4	197,901	3/4	182,234	3/4	166,514	3/4	150,759	3/4	135,004	3/4	119,245	3/4	10		10		10		213,242		197,575		181,907		166,186		150,431		134,676		118,917		1/4	1/4	1/4	1/4	1/4	1/4	212,916	1/4	197,248	1/4	181,581	1/4	165,858	1/4	150,103	1/4	134,347	1/4	118,588	1/4	1/2	1/2	1/2	1/2	1/2	1/2	212,590	1/2	196,922	1/2	181,255	1/2	165,530	1/2	149,774	1/2	134,019	1/2	118,260	1/2	3/4	3/4	3/4	3/4	3/4	3/4	212,263	3/4	196,596	3/4	180,928	3/4	165,201	3/4	149,446	3/4	133,691	3/4	117,932	3/4	11		11		11		211,937		196,269		180,602		164,873		149,118		133,362		117,604		1/4	1/4	1/4	1/4	1/4	1/4	211,610	1/4	195,943	1/4	180,275	1/4	164,545	1/4	148,790	1/4	133,034	1/4	117,275	1/4	1/2	1/2	1/2	1/2	1/2	1/2	211,284	1/2	195,616	1/2	179,949	1/2	164,217	1/2	148,461	1/2	132,706	1/2	116,947	1/2	3/4	3/4	3/4	3/4	3/4	3/4	210,958	3/4	195,290	3/4	179,623	3/4	163,888	3/4	148,133	3/4	132,377	3/4	116,619	3/4																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
3/4	3/4	3/4	3/4	3/4	3/4	218,728	3/4	203,124	3/4	187,456	3/4	171,766	3/4	156,011	3/4	140,256	3/4	124,498	3/4	6		6		6		218,406		202,797		187,130		171,438		155,683		139,927		124,170		1/4	1/4	1/4	1/4	1/4	1/4	218,085	1/4	202,471	1/4	186,803	1/4	171,109	1/4	155,354	1/4	139,599	1/4	123,841	1/4	1/2	1/2	1/2	1/2	1/2	1/2	217,763	1/2	202,145	1/2	186,477	1/2	170,781	1/2	155,026	1/2	139,271	1/2	123,513	1/2	3/4	3/4	3/4	3/4	3/4	3/4	217,442	3/4	201,818	3/4	186,151	3/4	170,453	3/4	154,698	3/4	138,943	3/4	123,185	3/4	7		7		7		217,120		201,492		185,824		170,125		154,370		138,615		122,857		1/4	1/4	1/4	1/4	1/4	1/4	216,797	1/4	201,165	1/4	185,498	1/4	169,797	1/4	154,041	1/4	138,286	1/4	122,528	1/4	1/2	1/2	1/2	1/2	1/2	1/2	216,475	1/2	200,839	1/2	185,171	1/2	169,468	1/2	153,713	1/2	137,958	1/2	122,200	1/2	3/4	3/4	3/4	3/4	3/4	3/4	216,153	3/4	200,513	3/4	184,845	3/4	169,140	3/4	153,385	3/4	137,630	3/4	121,872	3/4	8		8		8		215,830		200,186		184,519		168,812		153,057		137,302		121,543		1/4	1/4	1/4	1/4	1/4	1/4	215,507	1/4	199,860	1/4	184,192	1/4	168,484	1/4	152,729	1/4	136,973	1/4	121,215	1/4	1/2	1/2	1/2	1/2	1/2	1/2	215,185	1/2	199,533	1/2	183,866	1/2	168,155	1/2	152,400	1/2	136,645	1/2	120,887	1/2	3/4	3/4	3/4	3/4	3/4	3/4	214,862	3/4	199,207	3/4	183,539	3/4	167,827	3/4	152,072	3/4	136,317	3/4	120,558	3/4	9		9		9		214,539		198,881		183,213		167,499		151,744		135,989		120,230		1/4	1/4	1/4	1/4	1/4	1/4	214,215	1/4	198,554	1/4	182,887	1/4	167,171	1/4	151,416	1/4	135,660	1/4	119,902	1/4	1/2	1/2	1/2	1/2	1/2	1/2	213,892	1/2	198,228	1/2	182,560	1/2	166,842	1/2	151,087	1/2	135,332	1/2	119,573	1/2	3/4	3/4	3/4	3/4	3/4	3/4	213,569	3/4	197,901	3/4	182,234	3/4	166,514	3/4	150,759	3/4	135,004	3/4	119,245	3/4	10		10		10		213,242		197,575		181,907		166,186		150,431		134,676		118,917		1/4	1/4	1/4	1/4	1/4	1/4	212,916	1/4	197,248	1/4	181,581	1/4	165,858	1/4	150,103	1/4	134,347	1/4	118,588	1/4	1/2	1/2	1/2	1/2	1/2	1/2	212,590	1/2	196,922	1/2	181,255	1/2	165,530	1/2	149,774	1/2	134,019	1/2	118,260	1/2	3/4	3/4	3/4	3/4	3/4	3/4	212,263	3/4	196,596	3/4	180,928	3/4	165,201	3/4	149,446	3/4	133,691	3/4	117,932	3/4	11		11		11		211,937		196,269		180,602		164,873		149,118		133,362		117,604		1/4	1/4	1/4	1/4	1/4	1/4	211,610	1/4	195,943	1/4	180,275	1/4	164,545	1/4	148,790	1/4	133,034	1/4	117,275	1/4	1/2	1/2	1/2	1/2	1/2	1/2	211,284	1/2	195,616	1/2	179,949	1/2	164,217	1/2	148,461	1/2	132,706	1/2	116,947	1/2	3/4	3/4	3/4	3/4	3/4	3/4	210,958	3/4	195,290	3/4	179,623	3/4	163,888	3/4	148,133	3/4	132,377	3/4	116,619	3/4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
6		6		6		218,406		202,797		187,130		171,438		155,683		139,927		124,170		1/4	1/4	1/4	1/4	1/4	1/4	218,085	1/4	202,471	1/4	186,803	1/4	171,109	1/4	155,354	1/4	139,599	1/4	123,841	1/4	1/2	1/2	1/2	1/2	1/2	1/2	217,763	1/2	202,145	1/2	186,477	1/2	170,781	1/2	155,026	1/2	139,271	1/2	123,513	1/2	3/4	3/4	3/4	3/4	3/4	3/4	217,442	3/4	201,818	3/4	186,151	3/4	170,453	3/4	154,698	3/4	138,943	3/4	123,185	3/4	7		7		7		217,120		201,492		185,824		170,125		154,370		138,615		122,857		1/4	1/4	1/4	1/4	1/4	1/4	216,797	1/4	201,165	1/4	185,498	1/4	169,797	1/4	154,041	1/4	138,286	1/4	122,528	1/4	1/2	1/2	1/2	1/2	1/2	1/2	216,475	1/2	200,839	1/2	185,171	1/2	169,468	1/2	153,713	1/2	137,958	1/2	122,200	1/2	3/4	3/4	3/4	3/4	3/4	3/4	216,153	3/4	200,513	3/4	184,845	3/4	169,140	3/4	153,385	3/4	137,630	3/4	121,872	3/4	8		8		8		215,830		200,186		184,519		168,812		153,057		137,302		121,543		1/4	1/4	1/4	1/4	1/4	1/4	215,507	1/4	199,860	1/4	184,192	1/4	168,484	1/4	152,729	1/4	136,973	1/4	121,215	1/4	1/2	1/2	1/2	1/2	1/2	1/2	215,185	1/2	199,533	1/2	183,866	1/2	168,155	1/2	152,400	1/2	136,645	1/2	120,887	1/2	3/4	3/4	3/4	3/4	3/4	3/4	214,862	3/4	199,207	3/4	183,539	3/4	167,827	3/4	152,072	3/4	136,317	3/4	120,558	3/4	9		9		9		214,539		198,881		183,213		167,499		151,744		135,989		120,230		1/4	1/4	1/4	1/4	1/4	1/4	214,215	1/4	198,554	1/4	182,887	1/4	167,171	1/4	151,416	1/4	135,660	1/4	119,902	1/4	1/2	1/2	1/2	1/2	1/2	1/2	213,892	1/2	198,228	1/2	182,560	1/2	166,842	1/2	151,087	1/2	135,332	1/2	119,573	1/2	3/4	3/4	3/4	3/4	3/4	3/4	213,569	3/4	197,901	3/4	182,234	3/4	166,514	3/4	150,759	3/4	135,004	3/4	119,245	3/4	10		10		10		213,242		197,575		181,907		166,186		150,431		134,676		118,917		1/4	1/4	1/4	1/4	1/4	1/4	212,916	1/4	197,248	1/4	181,581	1/4	165,858	1/4	150,103	1/4	134,347	1/4	118,588	1/4	1/2	1/2	1/2	1/2	1/2	1/2	212,590	1/2	196,922	1/2	181,255	1/2	165,530	1/2	149,774	1/2	134,019	1/2	118,260	1/2	3/4	3/4	3/4	3/4	3/4	3/4	212,263	3/4	196,596	3/4	180,928	3/4	165,201	3/4	149,446	3/4	133,691	3/4	117,932	3/4	11		11		11		211,937		196,269		180,602		164,873		149,118		133,362		117,604		1/4	1/4	1/4	1/4	1/4	1/4	211,610	1/4	195,943	1/4	180,275	1/4	164,545	1/4	148,790	1/4	133,034	1/4	117,275	1/4	1/2	1/2	1/2	1/2	1/2	1/2	211,284	1/2	195,616	1/2	179,949	1/2	164,217	1/2	148,461	1/2	132,706	1/2	116,947	1/2	3/4	3/4	3/4	3/4	3/4	3/4	210,958	3/4	195,290	3/4	179,623	3/4	163,888	3/4	148,133	3/4	132,377	3/4	116,619	3/4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
1/4	1/4	1/4	1/4	1/4	1/4	218,085	1/4	202,471	1/4	186,803	1/4	171,109	1/4	155,354	1/4	139,599	1/4	123,841	1/4	1/2	1/2	1/2	1/2	1/2	1/2	217,763	1/2	202,145	1/2	186,477	1/2	170,781	1/2	155,026	1/2	139,271	1/2	123,513	1/2	3/4	3/4	3/4	3/4	3/4	3/4	217,442	3/4	201,818	3/4	186,151	3/4	170,453	3/4	154,698	3/4	138,943	3/4	123,185	3/4	7		7		7		217,120		201,492		185,824		170,125		154,370		138,615		122,857		1/4	1/4	1/4	1/4	1/4	1/4	216,797	1/4	201,165	1/4	185,498	1/4	169,797	1/4	154,041	1/4	138,286	1/4	122,528	1/4	1/2	1/2	1/2	1/2	1/2	1/2	216,475	1/2	200,839	1/2	185,171	1/2	169,468	1/2	153,713	1/2	137,958	1/2	122,200	1/2	3/4	3/4	3/4	3/4	3/4	3/4	216,153	3/4	200,513	3/4	184,845	3/4	169,140	3/4	153,385	3/4	137,630	3/4	121,872	3/4	8		8		8		215,830		200,186		184,519		168,812		153,057		137,302		121,543		1/4	1/4	1/4	1/4	1/4	1/4	215,507	1/4	199,860	1/4	184,192	1/4	168,484	1/4	152,729	1/4	136,973	1/4	121,215	1/4	1/2	1/2	1/2	1/2	1/2	1/2	215,185	1/2	199,533	1/2	183,866	1/2	168,155	1/2	152,400	1/2	136,645	1/2	120,887	1/2	3/4	3/4	3/4	3/4	3/4	3/4	214,862	3/4	199,207	3/4	183,539	3/4	167,827	3/4	152,072	3/4	136,317	3/4	120,558	3/4	9		9		9		214,539		198,881		183,213		167,499		151,744		135,989		120,230		1/4	1/4	1/4	1/4	1/4	1/4	214,215	1/4	198,554	1/4	182,887	1/4	167,171	1/4	151,416	1/4	135,660	1/4	119,902	1/4	1/2	1/2	1/2	1/2	1/2	1/2	213,892	1/2	198,228	1/2	182,560	1/2	166,842	1/2	151,087	1/2	135,332	1/2	119,573	1/2	3/4	3/4	3/4	3/4	3/4	3/4	213,569	3/4	197,901	3/4	182,234	3/4	166,514	3/4	150,759	3/4	135,004	3/4	119,245	3/4	10		10		10		213,242		197,575		181,907		166,186		150,431		134,676		118,917		1/4	1/4	1/4	1/4	1/4	1/4	212,916	1/4	197,248	1/4	181,581	1/4	165,858	1/4	150,103	1/4	134,347	1/4	118,588	1/4	1/2	1/2	1/2	1/2	1/2	1/2	212,590	1/2	196,922	1/2	181,255	1/2	165,530	1/2	149,774	1/2	134,019	1/2	118,260	1/2	3/4	3/4	3/4	3/4	3/4	3/4	212,263	3/4	196,596	3/4	180,928	3/4	165,201	3/4	149,446	3/4	133,691	3/4	117,932	3/4	11		11		11		211,937		196,269		180,602		164,873		149,118		133,362		117,604		1/4	1/4	1/4	1/4	1/4	1/4	211,610	1/4	195,943	1/4	180,275	1/4	164,545	1/4	148,790	1/4	133,034	1/4	117,275	1/4	1/2	1/2	1/2	1/2	1/2	1/2	211,284	1/2	195,616	1/2	179,949	1/2	164,217	1/2	148,461	1/2	132,706	1/2	116,947	1/2	3/4	3/4	3/4	3/4	3/4	3/4	210,958	3/4	195,290	3/4	179,623	3/4	163,888	3/4	148,133	3/4	132,377	3/4	116,619	3/4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
1/2	1/2	1/2	1/2	1/2	1/2	217,763	1/2	202,145	1/2	186,477	1/2	170,781	1/2	155,026	1/2	139,271	1/2	123,513	1/2	3/4	3/4	3/4	3/4	3/4	3/4	217,442	3/4	201,818	3/4	186,151	3/4	170,453	3/4	154,698	3/4	138,943	3/4	123,185	3/4	7		7		7		217,120		201,492		185,824		170,125		154,370		138,615		122,857		1/4	1/4	1/4	1/4	1/4	1/4	216,797	1/4	201,165	1/4	185,498	1/4	169,797	1/4	154,041	1/4	138,286	1/4	122,528	1/4	1/2	1/2	1/2	1/2	1/2	1/2	216,475	1/2	200,839	1/2	185,171	1/2	169,468	1/2	153,713	1/2	137,958	1/2	122,200	1/2	3/4	3/4	3/4	3/4	3/4	3/4	216,153	3/4	200,513	3/4	184,845	3/4	169,140	3/4	153,385	3/4	137,630	3/4	121,872	3/4	8		8		8		215,830		200,186		184,519		168,812		153,057		137,302		121,543		1/4	1/4	1/4	1/4	1/4	1/4	215,507	1/4	199,860	1/4	184,192	1/4	168,484	1/4	152,729	1/4	136,973	1/4	121,215	1/4	1/2	1/2	1/2	1/2	1/2	1/2	215,185	1/2	199,533	1/2	183,866	1/2	168,155	1/2	152,400	1/2	136,645	1/2	120,887	1/2	3/4	3/4	3/4	3/4	3/4	3/4	214,862	3/4	199,207	3/4	183,539	3/4	167,827	3/4	152,072	3/4	136,317	3/4	120,558	3/4	9		9		9		214,539		198,881		183,213		167,499		151,744		135,989		120,230		1/4	1/4	1/4	1/4	1/4	1/4	214,215	1/4	198,554	1/4	182,887	1/4	167,171	1/4	151,416	1/4	135,660	1/4	119,902	1/4	1/2	1/2	1/2	1/2	1/2	1/2	213,892	1/2	198,228	1/2	182,560	1/2	166,842	1/2	151,087	1/2	135,332	1/2	119,573	1/2	3/4	3/4	3/4	3/4	3/4	3/4	213,569	3/4	197,901	3/4	182,234	3/4	166,514	3/4	150,759	3/4	135,004	3/4	119,245	3/4	10		10		10		213,242		197,575		181,907		166,186		150,431		134,676		118,917		1/4	1/4	1/4	1/4	1/4	1/4	212,916	1/4	197,248	1/4	181,581	1/4	165,858	1/4	150,103	1/4	134,347	1/4	118,588	1/4	1/2	1/2	1/2	1/2	1/2	1/2	212,590	1/2	196,922	1/2	181,255	1/2	165,530	1/2	149,774	1/2	134,019	1/2	118,260	1/2	3/4	3/4	3/4	3/4	3/4	3/4	212,263	3/4	196,596	3/4	180,928	3/4	165,201	3/4	149,446	3/4	133,691	3/4	117,932	3/4	11		11		11		211,937		196,269		180,602		164,873		149,118		133,362		117,604		1/4	1/4	1/4	1/4	1/4	1/4	211,610	1/4	195,943	1/4	180,275	1/4	164,545	1/4	148,790	1/4	133,034	1/4	117,275	1/4	1/2	1/2	1/2	1/2	1/2	1/2	211,284	1/2	195,616	1/2	179,949	1/2	164,217	1/2	148,461	1/2	132,706	1/2	116,947	1/2	3/4	3/4	3/4	3/4	3/4	3/4	210,958	3/4	195,290	3/4	179,623	3/4	163,888	3/4	148,133	3/4	132,377	3/4	116,619	3/4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
3/4	3/4	3/4	3/4	3/4	3/4	217,442	3/4	201,818	3/4	186,151	3/4	170,453	3/4	154,698	3/4	138,943	3/4	123,185	3/4	7		7		7		217,120		201,492		185,824		170,125		154,370		138,615		122,857		1/4	1/4	1/4	1/4	1/4	1/4	216,797	1/4	201,165	1/4	185,498	1/4	169,797	1/4	154,041	1/4	138,286	1/4	122,528	1/4	1/2	1/2	1/2	1/2	1/2	1/2	216,475	1/2	200,839	1/2	185,171	1/2	169,468	1/2	153,713	1/2	137,958	1/2	122,200	1/2	3/4	3/4	3/4	3/4	3/4	3/4	216,153	3/4	200,513	3/4	184,845	3/4	169,140	3/4	153,385	3/4	137,630	3/4	121,872	3/4	8		8		8		215,830		200,186		184,519		168,812		153,057		137,302		121,543		1/4	1/4	1/4	1/4	1/4	1/4	215,507	1/4	199,860	1/4	184,192	1/4	168,484	1/4	152,729	1/4	136,973	1/4	121,215	1/4	1/2	1/2	1/2	1/2	1/2	1/2	215,185	1/2	199,533	1/2	183,866	1/2	168,155	1/2	152,400	1/2	136,645	1/2	120,887	1/2	3/4	3/4	3/4	3/4	3/4	3/4	214,862	3/4	199,207	3/4	183,539	3/4	167,827	3/4	152,072	3/4	136,317	3/4	120,558	3/4	9		9		9		214,539		198,881		183,213		167,499		151,744		135,989		120,230		1/4	1/4	1/4	1/4	1/4	1/4	214,215	1/4	198,554	1/4	182,887	1/4	167,171	1/4	151,416	1/4	135,660	1/4	119,902	1/4	1/2	1/2	1/2	1/2	1/2	1/2	213,892	1/2	198,228	1/2	182,560	1/2	166,842	1/2	151,087	1/2	135,332	1/2	119,573	1/2	3/4	3/4	3/4	3/4	3/4	3/4	213,569	3/4	197,901	3/4	182,234	3/4	166,514	3/4	150,759	3/4	135,004	3/4	119,245	3/4	10		10		10		213,242		197,575		181,907		166,186		150,431		134,676		118,917		1/4	1/4	1/4	1/4	1/4	1/4	212,916	1/4	197,248	1/4	181,581	1/4	165,858	1/4	150,103	1/4	134,347	1/4	118,588	1/4	1/2	1/2	1/2	1/2	1/2	1/2	212,590	1/2	196,922	1/2	181,255	1/2	165,530	1/2	149,774	1/2	134,019	1/2	118,260	1/2	3/4	3/4	3/4	3/4	3/4	3/4	212,263	3/4	196,596	3/4	180,928	3/4	165,201	3/4	149,446	3/4	133,691	3/4	117,932	3/4	11		11		11		211,937		196,269		180,602		164,873		149,118		133,362		117,604		1/4	1/4	1/4	1/4	1/4	1/4	211,610	1/4	195,943	1/4	180,275	1/4	164,545	1/4	148,790	1/4	133,034	1/4	117,275	1/4	1/2	1/2	1/2	1/2	1/2	1/2	211,284	1/2	195,616	1/2	179,949	1/2	164,217	1/2	148,461	1/2	132,706	1/2	116,947	1/2	3/4	3/4	3/4	3/4	3/4	3/4	210,958	3/4	195,290	3/4	179,623	3/4	163,888	3/4	148,133	3/4	132,377	3/4	116,619	3/4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
7		7		7		217,120		201,492		185,824		170,125		154,370		138,615		122,857		1/4	1/4	1/4	1/4	1/4	1/4	216,797	1/4	201,165	1/4	185,498	1/4	169,797	1/4	154,041	1/4	138,286	1/4	122,528	1/4	1/2	1/2	1/2	1/2	1/2	1/2	216,475	1/2	200,839	1/2	185,171	1/2	169,468	1/2	153,713	1/2	137,958	1/2	122,200	1/2	3/4	3/4	3/4	3/4	3/4	3/4	216,153	3/4	200,513	3/4	184,845	3/4	169,140	3/4	153,385	3/4	137,630	3/4	121,872	3/4	8		8		8		215,830		200,186		184,519		168,812		153,057		137,302		121,543		1/4	1/4	1/4	1/4	1/4	1/4	215,507	1/4	199,860	1/4	184,192	1/4	168,484	1/4	152,729	1/4	136,973	1/4	121,215	1/4	1/2	1/2	1/2	1/2	1/2	1/2	215,185	1/2	199,533	1/2	183,866	1/2	168,155	1/2	152,400	1/2	136,645	1/2	120,887	1/2	3/4	3/4	3/4	3/4	3/4	3/4	214,862	3/4	199,207	3/4	183,539	3/4	167,827	3/4	152,072	3/4	136,317	3/4	120,558	3/4	9		9		9		214,539		198,881		183,213		167,499		151,744		135,989		120,230		1/4	1/4	1/4	1/4	1/4	1/4	214,215	1/4	198,554	1/4	182,887	1/4	167,171	1/4	151,416	1/4	135,660	1/4	119,902	1/4	1/2	1/2	1/2	1/2	1/2	1/2	213,892	1/2	198,228	1/2	182,560	1/2	166,842	1/2	151,087	1/2	135,332	1/2	119,573	1/2	3/4	3/4	3/4	3/4	3/4	3/4	213,569	3/4	197,901	3/4	182,234	3/4	166,514	3/4	150,759	3/4	135,004	3/4	119,245	3/4	10		10		10		213,242		197,575		181,907		166,186		150,431		134,676		118,917		1/4	1/4	1/4	1/4	1/4	1/4	212,916	1/4	197,248	1/4	181,581	1/4	165,858	1/4	150,103	1/4	134,347	1/4	118,588	1/4	1/2	1/2	1/2	1/2	1/2	1/2	212,590	1/2	196,922	1/2	181,255	1/2	165,530	1/2	149,774	1/2	134,019	1/2	118,260	1/2	3/4	3/4	3/4	3/4	3/4	3/4	212,263	3/4	196,596	3/4	180,928	3/4	165,201	3/4	149,446	3/4	133,691	3/4	117,932	3/4	11		11		11		211,937		196,269		180,602		164,873		149,118		133,362		117,604		1/4	1/4	1/4	1/4	1/4	1/4	211,610	1/4	195,943	1/4	180,275	1/4	164,545	1/4	148,790	1/4	133,034	1/4	117,275	1/4	1/2	1/2	1/2	1/2	1/2	1/2	211,284	1/2	195,616	1/2	179,949	1/2	164,217	1/2	148,461	1/2	132,706	1/2	116,947	1/2	3/4	3/4	3/4	3/4	3/4	3/4	210,958	3/4	195,290	3/4	179,623	3/4	163,888	3/4	148,133	3/4	132,377	3/4	116,619	3/4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
1/4	1/4	1/4	1/4	1/4	1/4	216,797	1/4	201,165	1/4	185,498	1/4	169,797	1/4	154,041	1/4	138,286	1/4	122,528	1/4	1/2	1/2	1/2	1/2	1/2	1/2	216,475	1/2	200,839	1/2	185,171	1/2	169,468	1/2	153,713	1/2	137,958	1/2	122,200	1/2	3/4	3/4	3/4	3/4	3/4	3/4	216,153	3/4	200,513	3/4	184,845	3/4	169,140	3/4	153,385	3/4	137,630	3/4	121,872	3/4	8		8		8		215,830		200,186		184,519		168,812		153,057		137,302		121,543		1/4	1/4	1/4	1/4	1/4	1/4	215,507	1/4	199,860	1/4	184,192	1/4	168,484	1/4	152,729	1/4	136,973	1/4	121,215	1/4	1/2	1/2	1/2	1/2	1/2	1/2	215,185	1/2	199,533	1/2	183,866	1/2	168,155	1/2	152,400	1/2	136,645	1/2	120,887	1/2	3/4	3/4	3/4	3/4	3/4	3/4	214,862	3/4	199,207	3/4	183,539	3/4	167,827	3/4	152,072	3/4	136,317	3/4	120,558	3/4	9		9		9		214,539		198,881		183,213		167,499		151,744		135,989		120,230		1/4	1/4	1/4	1/4	1/4	1/4	214,215	1/4	198,554	1/4	182,887	1/4	167,171	1/4	151,416	1/4	135,660	1/4	119,902	1/4	1/2	1/2	1/2	1/2	1/2	1/2	213,892	1/2	198,228	1/2	182,560	1/2	166,842	1/2	151,087	1/2	135,332	1/2	119,573	1/2	3/4	3/4	3/4	3/4	3/4	3/4	213,569	3/4	197,901	3/4	182,234	3/4	166,514	3/4	150,759	3/4	135,004	3/4	119,245	3/4	10		10		10		213,242		197,575		181,907		166,186		150,431		134,676		118,917		1/4	1/4	1/4	1/4	1/4	1/4	212,916	1/4	197,248	1/4	181,581	1/4	165,858	1/4	150,103	1/4	134,347	1/4	118,588	1/4	1/2	1/2	1/2	1/2	1/2	1/2	212,590	1/2	196,922	1/2	181,255	1/2	165,530	1/2	149,774	1/2	134,019	1/2	118,260	1/2	3/4	3/4	3/4	3/4	3/4	3/4	212,263	3/4	196,596	3/4	180,928	3/4	165,201	3/4	149,446	3/4	133,691	3/4	117,932	3/4	11		11		11		211,937		196,269		180,602		164,873		149,118		133,362		117,604		1/4	1/4	1/4	1/4	1/4	1/4	211,610	1/4	195,943	1/4	180,275	1/4	164,545	1/4	148,790	1/4	133,034	1/4	117,275	1/4	1/2	1/2	1/2	1/2	1/2	1/2	211,284	1/2	195,616	1/2	179,949	1/2	164,217	1/2	148,461	1/2	132,706	1/2	116,947	1/2	3/4	3/4	3/4	3/4	3/4	3/4	210,958	3/4	195,290	3/4	179,623	3/4	163,888	3/4	148,133	3/4	132,377	3/4	116,619	3/4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
1/2	1/2	1/2	1/2	1/2	1/2	216,475	1/2	200,839	1/2	185,171	1/2	169,468	1/2	153,713	1/2	137,958	1/2	122,200	1/2	3/4	3/4	3/4	3/4	3/4	3/4	216,153	3/4	200,513	3/4	184,845	3/4	169,140	3/4	153,385	3/4	137,630	3/4	121,872	3/4	8		8		8		215,830		200,186		184,519		168,812		153,057		137,302		121,543		1/4	1/4	1/4	1/4	1/4	1/4	215,507	1/4	199,860	1/4	184,192	1/4	168,484	1/4	152,729	1/4	136,973	1/4	121,215	1/4	1/2	1/2	1/2	1/2	1/2	1/2	215,185	1/2	199,533	1/2	183,866	1/2	168,155	1/2	152,400	1/2	136,645	1/2	120,887	1/2	3/4	3/4	3/4	3/4	3/4	3/4	214,862	3/4	199,207	3/4	183,539	3/4	167,827	3/4	152,072	3/4	136,317	3/4	120,558	3/4	9		9		9		214,539		198,881		183,213		167,499		151,744		135,989		120,230		1/4	1/4	1/4	1/4	1/4	1/4	214,215	1/4	198,554	1/4	182,887	1/4	167,171	1/4	151,416	1/4	135,660	1/4	119,902	1/4	1/2	1/2	1/2	1/2	1/2	1/2	213,892	1/2	198,228	1/2	182,560	1/2	166,842	1/2	151,087	1/2	135,332	1/2	119,573	1/2	3/4	3/4	3/4	3/4	3/4	3/4	213,569	3/4	197,901	3/4	182,234	3/4	166,514	3/4	150,759	3/4	135,004	3/4	119,245	3/4	10		10		10		213,242		197,575		181,907		166,186		150,431		134,676		118,917		1/4	1/4	1/4	1/4	1/4	1/4	212,916	1/4	197,248	1/4	181,581	1/4	165,858	1/4	150,103	1/4	134,347	1/4	118,588	1/4	1/2	1/2	1/2	1/2	1/2	1/2	212,590	1/2	196,922	1/2	181,255	1/2	165,530	1/2	149,774	1/2	134,019	1/2	118,260	1/2	3/4	3/4	3/4	3/4	3/4	3/4	212,263	3/4	196,596	3/4	180,928	3/4	165,201	3/4	149,446	3/4	133,691	3/4	117,932	3/4	11		11		11		211,937		196,269		180,602		164,873		149,118		133,362		117,604		1/4	1/4	1/4	1/4	1/4	1/4	211,610	1/4	195,943	1/4	180,275	1/4	164,545	1/4	148,790	1/4	133,034	1/4	117,275	1/4	1/2	1/2	1/2	1/2	1/2	1/2	211,284	1/2	195,616	1/2	179,949	1/2	164,217	1/2	148,461	1/2	132,706	1/2	116,947	1/2	3/4	3/4	3/4	3/4	3/4	3/4	210,958	3/4	195,290	3/4	179,623	3/4	163,888	3/4	148,133	3/4	132,377	3/4	116,619	3/4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
3/4	3/4	3/4	3/4	3/4	3/4	216,153	3/4	200,513	3/4	184,845	3/4	169,140	3/4	153,385	3/4	137,630	3/4	121,872	3/4	8		8		8		215,830		200,186		184,519		168,812		153,057		137,302		121,543		1/4	1/4	1/4	1/4	1/4	1/4	215,507	1/4	199,860	1/4	184,192	1/4	168,484	1/4	152,729	1/4	136,973	1/4	121,215	1/4	1/2	1/2	1/2	1/2	1/2	1/2	215,185	1/2	199,533	1/2	183,866	1/2	168,155	1/2	152,400	1/2	136,645	1/2	120,887	1/2	3/4	3/4	3/4	3/4	3/4	3/4	214,862	3/4	199,207	3/4	183,539	3/4	167,827	3/4	152,072	3/4	136,317	3/4	120,558	3/4	9		9		9		214,539		198,881		183,213		167,499		151,744		135,989		120,230		1/4	1/4	1/4	1/4	1/4	1/4	214,215	1/4	198,554	1/4	182,887	1/4	167,171	1/4	151,416	1/4	135,660	1/4	119,902	1/4	1/2	1/2	1/2	1/2	1/2	1/2	213,892	1/2	198,228	1/2	182,560	1/2	166,842	1/2	151,087	1/2	135,332	1/2	119,573	1/2	3/4	3/4	3/4	3/4	3/4	3/4	213,569	3/4	197,901	3/4	182,234	3/4	166,514	3/4	150,759	3/4	135,004	3/4	119,245	3/4	10		10		10		213,242		197,575		181,907		166,186		150,431		134,676		118,917		1/4	1/4	1/4	1/4	1/4	1/4	212,916	1/4	197,248	1/4	181,581	1/4	165,858	1/4	150,103	1/4	134,347	1/4	118,588	1/4	1/2	1/2	1/2	1/2	1/2	1/2	212,590	1/2	196,922	1/2	181,255	1/2	165,530	1/2	149,774	1/2	134,019	1/2	118,260	1/2	3/4	3/4	3/4	3/4	3/4	3/4	212,263	3/4	196,596	3/4	180,928	3/4	165,201	3/4	149,446	3/4	133,691	3/4	117,932	3/4	11		11		11		211,937		196,269		180,602		164,873		149,118		133,362		117,604		1/4	1/4	1/4	1/4	1/4	1/4	211,610	1/4	195,943	1/4	180,275	1/4	164,545	1/4	148,790	1/4	133,034	1/4	117,275	1/4	1/2	1/2	1/2	1/2	1/2	1/2	211,284	1/2	195,616	1/2	179,949	1/2	164,217	1/2	148,461	1/2	132,706	1/2	116,947	1/2	3/4	3/4	3/4	3/4	3/4	3/4	210,958	3/4	195,290	3/4	179,623	3/4	163,888	3/4	148,133	3/4	132,377	3/4	116,619	3/4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
8		8		8		215,830		200,186		184,519		168,812		153,057		137,302		121,543		1/4	1/4	1/4	1/4	1/4	1/4	215,507	1/4	199,860	1/4	184,192	1/4	168,484	1/4	152,729	1/4	136,973	1/4	121,215	1/4	1/2	1/2	1/2	1/2	1/2	1/2	215,185	1/2	199,533	1/2	183,866	1/2	168,155	1/2	152,400	1/2	136,645	1/2	120,887	1/2	3/4	3/4	3/4	3/4	3/4	3/4	214,862	3/4	199,207	3/4	183,539	3/4	167,827	3/4	152,072	3/4	136,317	3/4	120,558	3/4	9		9		9		214,539		198,881		183,213		167,499		151,744		135,989		120,230		1/4	1/4	1/4	1/4	1/4	1/4	214,215	1/4	198,554	1/4	182,887	1/4	167,171	1/4	151,416	1/4	135,660	1/4	119,902	1/4	1/2	1/2	1/2	1/2	1/2	1/2	213,892	1/2	198,228	1/2	182,560	1/2	166,842	1/2	151,087	1/2	135,332	1/2	119,573	1/2	3/4	3/4	3/4	3/4	3/4	3/4	213,569	3/4	197,901	3/4	182,234	3/4	166,514	3/4	150,759	3/4	135,004	3/4	119,245	3/4	10		10		10		213,242		197,575		181,907		166,186		150,431		134,676		118,917		1/4	1/4	1/4	1/4	1/4	1/4	212,916	1/4	197,248	1/4	181,581	1/4	165,858	1/4	150,103	1/4	134,347	1/4	118,588	1/4	1/2	1/2	1/2	1/2	1/2	1/2	212,590	1/2	196,922	1/2	181,255	1/2	165,530	1/2	149,774	1/2	134,019	1/2	118,260	1/2	3/4	3/4	3/4	3/4	3/4	3/4	212,263	3/4	196,596	3/4	180,928	3/4	165,201	3/4	149,446	3/4	133,691	3/4	117,932	3/4	11		11		11		211,937		196,269		180,602		164,873		149,118		133,362		117,604		1/4	1/4	1/4	1/4	1/4	1/4	211,610	1/4	195,943	1/4	180,275	1/4	164,545	1/4	148,790	1/4	133,034	1/4	117,275	1/4	1/2	1/2	1/2	1/2	1/2	1/2	211,284	1/2	195,616	1/2	179,949	1/2	164,217	1/2	148,461	1/2	132,706	1/2	116,947	1/2	3/4	3/4	3/4	3/4	3/4	3/4	210,958	3/4	195,290	3/4	179,623	3/4	163,888	3/4	148,133	3/4	132,377	3/4	116,619	3/4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
1/4	1/4	1/4	1/4	1/4	1/4	215,507	1/4	199,860	1/4	184,192	1/4	168,484	1/4	152,729	1/4	136,973	1/4	121,215	1/4	1/2	1/2	1/2	1/2	1/2	1/2	215,185	1/2	199,533	1/2	183,866	1/2	168,155	1/2	152,400	1/2	136,645	1/2	120,887	1/2	3/4	3/4	3/4	3/4	3/4	3/4	214,862	3/4	199,207	3/4	183,539	3/4	167,827	3/4	152,072	3/4	136,317	3/4	120,558	3/4	9		9		9		214,539		198,881		183,213		167,499		151,744		135,989		120,230		1/4	1/4	1/4	1/4	1/4	1/4	214,215	1/4	198,554	1/4	182,887	1/4	167,171	1/4	151,416	1/4	135,660	1/4	119,902	1/4	1/2	1/2	1/2	1/2	1/2	1/2	213,892	1/2	198,228	1/2	182,560	1/2	166,842	1/2	151,087	1/2	135,332	1/2	119,573	1/2	3/4	3/4	3/4	3/4	3/4	3/4	213,569	3/4	197,901	3/4	182,234	3/4	166,514	3/4	150,759	3/4	135,004	3/4	119,245	3/4	10		10		10		213,242		197,575		181,907		166,186		150,431		134,676		118,917		1/4	1/4	1/4	1/4	1/4	1/4	212,916	1/4	197,248	1/4	181,581	1/4	165,858	1/4	150,103	1/4	134,347	1/4	118,588	1/4	1/2	1/2	1/2	1/2	1/2	1/2	212,590	1/2	196,922	1/2	181,255	1/2	165,530	1/2	149,774	1/2	134,019	1/2	118,260	1/2	3/4	3/4	3/4	3/4	3/4	3/4	212,263	3/4	196,596	3/4	180,928	3/4	165,201	3/4	149,446	3/4	133,691	3/4	117,932	3/4	11		11		11		211,937		196,269		180,602		164,873		149,118		133,362		117,604		1/4	1/4	1/4	1/4	1/4	1/4	211,610	1/4	195,943	1/4	180,275	1/4	164,545	1/4	148,790	1/4	133,034	1/4	117,275	1/4	1/2	1/2	1/2	1/2	1/2	1/2	211,284	1/2	195,616	1/2	179,949	1/2	164,217	1/2	148,461	1/2	132,706	1/2	116,947	1/2	3/4	3/4	3/4	3/4	3/4	3/4	210,958	3/4	195,290	3/4	179,623	3/4	163,888	3/4	148,133	3/4	132,377	3/4	116,619	3/4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
1/2	1/2	1/2	1/2	1/2	1/2	215,185	1/2	199,533	1/2	183,866	1/2	168,155	1/2	152,400	1/2	136,645	1/2	120,887	1/2	3/4	3/4	3/4	3/4	3/4	3/4	214,862	3/4	199,207	3/4	183,539	3/4	167,827	3/4	152,072	3/4	136,317	3/4	120,558	3/4	9		9		9		214,539		198,881		183,213		167,499		151,744		135,989		120,230		1/4	1/4	1/4	1/4	1/4	1/4	214,215	1/4	198,554	1/4	182,887	1/4	167,171	1/4	151,416	1/4	135,660	1/4	119,902	1/4	1/2	1/2	1/2	1/2	1/2	1/2	213,892	1/2	198,228	1/2	182,560	1/2	166,842	1/2	151,087	1/2	135,332	1/2	119,573	1/2	3/4	3/4	3/4	3/4	3/4	3/4	213,569	3/4	197,901	3/4	182,234	3/4	166,514	3/4	150,759	3/4	135,004	3/4	119,245	3/4	10		10		10		213,242		197,575		181,907		166,186		150,431		134,676		118,917		1/4	1/4	1/4	1/4	1/4	1/4	212,916	1/4	197,248	1/4	181,581	1/4	165,858	1/4	150,103	1/4	134,347	1/4	118,588	1/4	1/2	1/2	1/2	1/2	1/2	1/2	212,590	1/2	196,922	1/2	181,255	1/2	165,530	1/2	149,774	1/2	134,019	1/2	118,260	1/2	3/4	3/4	3/4	3/4	3/4	3/4	212,263	3/4	196,596	3/4	180,928	3/4	165,201	3/4	149,446	3/4	133,691	3/4	117,932	3/4	11		11		11		211,937		196,269		180,602		164,873		149,118		133,362		117,604		1/4	1/4	1/4	1/4	1/4	1/4	211,610	1/4	195,943	1/4	180,275	1/4	164,545	1/4	148,790	1/4	133,034	1/4	117,275	1/4	1/2	1/2	1/2	1/2	1/2	1/2	211,284	1/2	195,616	1/2	179,949	1/2	164,217	1/2	148,461	1/2	132,706	1/2	116,947	1/2	3/4	3/4	3/4	3/4	3/4	3/4	210,958	3/4	195,290	3/4	179,623	3/4	163,888	3/4	148,133	3/4	132,377	3/4	116,619	3/4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
3/4	3/4	3/4	3/4	3/4	3/4	214,862	3/4	199,207	3/4	183,539	3/4	167,827	3/4	152,072	3/4	136,317	3/4	120,558	3/4	9		9		9		214,539		198,881		183,213		167,499		151,744		135,989		120,230		1/4	1/4	1/4	1/4	1/4	1/4	214,215	1/4	198,554	1/4	182,887	1/4	167,171	1/4	151,416	1/4	135,660	1/4	119,902	1/4	1/2	1/2	1/2	1/2	1/2	1/2	213,892	1/2	198,228	1/2	182,560	1/2	166,842	1/2	151,087	1/2	135,332	1/2	119,573	1/2	3/4	3/4	3/4	3/4	3/4	3/4	213,569	3/4	197,901	3/4	182,234	3/4	166,514	3/4	150,759	3/4	135,004	3/4	119,245	3/4	10		10		10		213,242		197,575		181,907		166,186		150,431		134,676		118,917		1/4	1/4	1/4	1/4	1/4	1/4	212,916	1/4	197,248	1/4	181,581	1/4	165,858	1/4	150,103	1/4	134,347	1/4	118,588	1/4	1/2	1/2	1/2	1/2	1/2	1/2	212,590	1/2	196,922	1/2	181,255	1/2	165,530	1/2	149,774	1/2	134,019	1/2	118,260	1/2	3/4	3/4	3/4	3/4	3/4	3/4	212,263	3/4	196,596	3/4	180,928	3/4	165,201	3/4	149,446	3/4	133,691	3/4	117,932	3/4	11		11		11		211,937		196,269		180,602		164,873		149,118		133,362		117,604		1/4	1/4	1/4	1/4	1/4	1/4	211,610	1/4	195,943	1/4	180,275	1/4	164,545	1/4	148,790	1/4	133,034	1/4	117,275	1/4	1/2	1/2	1/2	1/2	1/2	1/2	211,284	1/2	195,616	1/2	179,949	1/2	164,217	1/2	148,461	1/2	132,706	1/2	116,947	1/2	3/4	3/4	3/4	3/4	3/4	3/4	210,958	3/4	195,290	3/4	179,623	3/4	163,888	3/4	148,133	3/4	132,377	3/4	116,619	3/4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
9		9		9		214,539		198,881		183,213		167,499		151,744		135,989		120,230		1/4	1/4	1/4	1/4	1/4	1/4	214,215	1/4	198,554	1/4	182,887	1/4	167,171	1/4	151,416	1/4	135,660	1/4	119,902	1/4	1/2	1/2	1/2	1/2	1/2	1/2	213,892	1/2	198,228	1/2	182,560	1/2	166,842	1/2	151,087	1/2	135,332	1/2	119,573	1/2	3/4	3/4	3/4	3/4	3/4	3/4	213,569	3/4	197,901	3/4	182,234	3/4	166,514	3/4	150,759	3/4	135,004	3/4	119,245	3/4	10		10		10		213,242		197,575		181,907		166,186		150,431		134,676		118,917		1/4	1/4	1/4	1/4	1/4	1/4	212,916	1/4	197,248	1/4	181,581	1/4	165,858	1/4	150,103	1/4	134,347	1/4	118,588	1/4	1/2	1/2	1/2	1/2	1/2	1/2	212,590	1/2	196,922	1/2	181,255	1/2	165,530	1/2	149,774	1/2	134,019	1/2	118,260	1/2	3/4	3/4	3/4	3/4	3/4	3/4	212,263	3/4	196,596	3/4	180,928	3/4	165,201	3/4	149,446	3/4	133,691	3/4	117,932	3/4	11		11		11		211,937		196,269		180,602		164,873		149,118		133,362		117,604		1/4	1/4	1/4	1/4	1/4	1/4	211,610	1/4	195,943	1/4	180,275	1/4	164,545	1/4	148,790	1/4	133,034	1/4	117,275	1/4	1/2	1/2	1/2	1/2	1/2	1/2	211,284	1/2	195,616	1/2	179,949	1/2	164,217	1/2	148,461	1/2	132,706	1/2	116,947	1/2	3/4	3/4	3/4	3/4	3/4	3/4	210,958	3/4	195,290	3/4	179,623	3/4	163,888	3/4	148,133	3/4	132,377	3/4	116,619	3/4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
1/4	1/4	1/4	1/4	1/4	1/4	214,215	1/4	198,554	1/4	182,887	1/4	167,171	1/4	151,416	1/4	135,660	1/4	119,902	1/4	1/2	1/2	1/2	1/2	1/2	1/2	213,892	1/2	198,228	1/2	182,560	1/2	166,842	1/2	151,087	1/2	135,332	1/2	119,573	1/2	3/4	3/4	3/4	3/4	3/4	3/4	213,569	3/4	197,901	3/4	182,234	3/4	166,514	3/4	150,759	3/4	135,004	3/4	119,245	3/4	10		10		10		213,242		197,575		181,907		166,186		150,431		134,676		118,917		1/4	1/4	1/4	1/4	1/4	1/4	212,916	1/4	197,248	1/4	181,581	1/4	165,858	1/4	150,103	1/4	134,347	1/4	118,588	1/4	1/2	1/2	1/2	1/2	1/2	1/2	212,590	1/2	196,922	1/2	181,255	1/2	165,530	1/2	149,774	1/2	134,019	1/2	118,260	1/2	3/4	3/4	3/4	3/4	3/4	3/4	212,263	3/4	196,596	3/4	180,928	3/4	165,201	3/4	149,446	3/4	133,691	3/4	117,932	3/4	11		11		11		211,937		196,269		180,602		164,873		149,118		133,362		117,604		1/4	1/4	1/4	1/4	1/4	1/4	211,610	1/4	195,943	1/4	180,275	1/4	164,545	1/4	148,790	1/4	133,034	1/4	117,275	1/4	1/2	1/2	1/2	1/2	1/2	1/2	211,284	1/2	195,616	1/2	179,949	1/2	164,217	1/2	148,461	1/2	132,706	1/2	116,947	1/2	3/4	3/4	3/4	3/4	3/4	3/4	210,958	3/4	195,290	3/4	179,623	3/4	163,888	3/4	148,133	3/4	132,377	3/4	116,619	3/4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
1/2	1/2	1/2	1/2	1/2	1/2	213,892	1/2	198,228	1/2	182,560	1/2	166,842	1/2	151,087	1/2	135,332	1/2	119,573	1/2	3/4	3/4	3/4	3/4	3/4	3/4	213,569	3/4	197,901	3/4	182,234	3/4	166,514	3/4	150,759	3/4	135,004	3/4	119,245	3/4	10		10		10		213,242		197,575		181,907		166,186		150,431		134,676		118,917		1/4	1/4	1/4	1/4	1/4	1/4	212,916	1/4	197,248	1/4	181,581	1/4	165,858	1/4	150,103	1/4	134,347	1/4	118,588	1/4	1/2	1/2	1/2	1/2	1/2	1/2	212,590	1/2	196,922	1/2	181,255	1/2	165,530	1/2	149,774	1/2	134,019	1/2	118,260	1/2	3/4	3/4	3/4	3/4	3/4	3/4	212,263	3/4	196,596	3/4	180,928	3/4	165,201	3/4	149,446	3/4	133,691	3/4	117,932	3/4	11		11		11		211,937		196,269		180,602		164,873		149,118		133,362		117,604		1/4	1/4	1/4	1/4	1/4	1/4	211,610	1/4	195,943	1/4	180,275	1/4	164,545	1/4	148,790	1/4	133,034	1/4	117,275	1/4	1/2	1/2	1/2	1/2	1/2	1/2	211,284	1/2	195,616	1/2	179,949	1/2	164,217	1/2	148,461	1/2	132,706	1/2	116,947	1/2	3/4	3/4	3/4	3/4	3/4	3/4	210,958	3/4	195,290	3/4	179,623	3/4	163,888	3/4	148,133	3/4	132,377	3/4	116,619	3/4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
3/4	3/4	3/4	3/4	3/4	3/4	213,569	3/4	197,901	3/4	182,234	3/4	166,514	3/4	150,759	3/4	135,004	3/4	119,245	3/4	10		10		10		213,242		197,575		181,907		166,186		150,431		134,676		118,917		1/4	1/4	1/4	1/4	1/4	1/4	212,916	1/4	197,248	1/4	181,581	1/4	165,858	1/4	150,103	1/4	134,347	1/4	118,588	1/4	1/2	1/2	1/2	1/2	1/2	1/2	212,590	1/2	196,922	1/2	181,255	1/2	165,530	1/2	149,774	1/2	134,019	1/2	118,260	1/2	3/4	3/4	3/4	3/4	3/4	3/4	212,263	3/4	196,596	3/4	180,928	3/4	165,201	3/4	149,446	3/4	133,691	3/4	117,932	3/4	11		11		11		211,937		196,269		180,602		164,873		149,118		133,362		117,604		1/4	1/4	1/4	1/4	1/4	1/4	211,610	1/4	195,943	1/4	180,275	1/4	164,545	1/4	148,790	1/4	133,034	1/4	117,275	1/4	1/2	1/2	1/2	1/2	1/2	1/2	211,284	1/2	195,616	1/2	179,949	1/2	164,217	1/2	148,461	1/2	132,706	1/2	116,947	1/2	3/4	3/4	3/4	3/4	3/4	3/4	210,958	3/4	195,290	3/4	179,623	3/4	163,888	3/4	148,133	3/4	132,377	3/4	116,619	3/4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
10		10		10		213,242		197,575		181,907		166,186		150,431		134,676		118,917		1/4	1/4	1/4	1/4	1/4	1/4	212,916	1/4	197,248	1/4	181,581	1/4	165,858	1/4	150,103	1/4	134,347	1/4	118,588	1/4	1/2	1/2	1/2	1/2	1/2	1/2	212,590	1/2	196,922	1/2	181,255	1/2	165,530	1/2	149,774	1/2	134,019	1/2	118,260	1/2	3/4	3/4	3/4	3/4	3/4	3/4	212,263	3/4	196,596	3/4	180,928	3/4	165,201	3/4	149,446	3/4	133,691	3/4	117,932	3/4	11		11		11		211,937		196,269		180,602		164,873		149,118		133,362		117,604		1/4	1/4	1/4	1/4	1/4	1/4	211,610	1/4	195,943	1/4	180,275	1/4	164,545	1/4	148,790	1/4	133,034	1/4	117,275	1/4	1/2	1/2	1/2	1/2	1/2	1/2	211,284	1/2	195,616	1/2	179,949	1/2	164,217	1/2	148,461	1/2	132,706	1/2	116,947	1/2	3/4	3/4	3/4	3/4	3/4	3/4	210,958	3/4	195,290	3/4	179,623	3/4	163,888	3/4	148,133	3/4	132,377	3/4	116,619	3/4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
1/4	1/4	1/4	1/4	1/4	1/4	212,916	1/4	197,248	1/4	181,581	1/4	165,858	1/4	150,103	1/4	134,347	1/4	118,588	1/4	1/2	1/2	1/2	1/2	1/2	1/2	212,590	1/2	196,922	1/2	181,255	1/2	165,530	1/2	149,774	1/2	134,019	1/2	118,260	1/2	3/4	3/4	3/4	3/4	3/4	3/4	212,263	3/4	196,596	3/4	180,928	3/4	165,201	3/4	149,446	3/4	133,691	3/4	117,932	3/4	11		11		11		211,937		196,269		180,602		164,873		149,118		133,362		117,604		1/4	1/4	1/4	1/4	1/4	1/4	211,610	1/4	195,943	1/4	180,275	1/4	164,545	1/4	148,790	1/4	133,034	1/4	117,275	1/4	1/2	1/2	1/2	1/2	1/2	1/2	211,284	1/2	195,616	1/2	179,949	1/2	164,217	1/2	148,461	1/2	132,706	1/2	116,947	1/2	3/4	3/4	3/4	3/4	3/4	3/4	210,958	3/4	195,290	3/4	179,623	3/4	163,888	3/4	148,133	3/4	132,377	3/4	116,619	3/4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
1/2	1/2	1/2	1/2	1/2	1/2	212,590	1/2	196,922	1/2	181,255	1/2	165,530	1/2	149,774	1/2	134,019	1/2	118,260	1/2	3/4	3/4	3/4	3/4	3/4	3/4	212,263	3/4	196,596	3/4	180,928	3/4	165,201	3/4	149,446	3/4	133,691	3/4	117,932	3/4	11		11		11		211,937		196,269		180,602		164,873		149,118		133,362		117,604		1/4	1/4	1/4	1/4	1/4	1/4	211,610	1/4	195,943	1/4	180,275	1/4	164,545	1/4	148,790	1/4	133,034	1/4	117,275	1/4	1/2	1/2	1/2	1/2	1/2	1/2	211,284	1/2	195,616	1/2	179,949	1/2	164,217	1/2	148,461	1/2	132,706	1/2	116,947	1/2	3/4	3/4	3/4	3/4	3/4	3/4	210,958	3/4	195,290	3/4	179,623	3/4	163,888	3/4	148,133	3/4	132,377	3/4	116,619	3/4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
3/4	3/4	3/4	3/4	3/4	3/4	212,263	3/4	196,596	3/4	180,928	3/4	165,201	3/4	149,446	3/4	133,691	3/4	117,932	3/4	11		11		11		211,937		196,269		180,602		164,873		149,118		133,362		117,604		1/4	1/4	1/4	1/4	1/4	1/4	211,610	1/4	195,943	1/4	180,275	1/4	164,545	1/4	148,790	1/4	133,034	1/4	117,275	1/4	1/2	1/2	1/2	1/2	1/2	1/2	211,284	1/2	195,616	1/2	179,949	1/2	164,217	1/2	148,461	1/2	132,706	1/2	116,947	1/2	3/4	3/4	3/4	3/4	3/4	3/4	210,958	3/4	195,290	3/4	179,623	3/4	163,888	3/4	148,133	3/4	132,377	3/4	116,619	3/4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
11		11		11		211,937		196,269		180,602		164,873		149,118		133,362		117,604		1/4	1/4	1/4	1/4	1/4	1/4	211,610	1/4	195,943	1/4	180,275	1/4	164,545	1/4	148,790	1/4	133,034	1/4	117,275	1/4	1/2	1/2	1/2	1/2	1/2	1/2	211,284	1/2	195,616	1/2	179,949	1/2	164,217	1/2	148,461	1/2	132,706	1/2	116,947	1/2	3/4	3/4	3/4	3/4	3/4	3/4	210,958	3/4	195,290	3/4	179,623	3/4	163,888	3/4	148,133	3/4	132,377	3/4	116,619	3/4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
1/4	1/4	1/4	1/4	1/4	1/4	211,610	1/4	195,943	1/4	180,275	1/4	164,545	1/4	148,790	1/4	133,034	1/4	117,275	1/4	1/2	1/2	1/2	1/2	1/2	1/2	211,284	1/2	195,616	1/2	179,949	1/2	164,217	1/2	148,461	1/2	132,706	1/2	116,947	1/2	3/4	3/4	3/4	3/4	3/4	3/4	210,958	3/4	195,290	3/4	179,623	3/4	163,888	3/4	148,133	3/4	132,377	3/4	116,619	3/4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
1/2	1/2	1/2	1/2	1/2	1/2	211,284	1/2	195,616	1/2	179,949	1/2	164,217	1/2	148,461	1/2	132,706	1/2	116,947	1/2	3/4	3/4	3/4	3/4	3/4	3/4	210,958	3/4	195,290	3/4	179,623	3/4	163,888	3/4	148,133	3/4	132,377	3/4	116,619	3/4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
3/4	3/4	3/4	3/4	3/4	3/4	210,958	3/4	195,290	3/4	179,623	3/4	163,888	3/4	148,133	3/4	132,377	3/4	116,619	3/4																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "CBC 317"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	100,531	0	84,773	0	69,014	0	53,255	0	37,589	0	21,844	0	6,086	0		0		0	
1/4	100,203	1/4	84,444	1/4	68,685	1/4	52,927	1/4	37,263	1/4	21,516	1/4	5,758	1/4	1/4	1/4	1/4	1/4	1/4
1/2	99,875	1/2	84,116	1/2	68,357	1/2	52,598	1/2	36,937	1/2	21,187	1/2	5,429	1/2	1/2	1/2	1/2	1/2	1/2
3/4	99,547	3/4	83,788	3/4	68,029	3/4	52,270	3/4	36,611	3/4	20,859	3/4	5,101	3/4	3/4	3/4	3/4	3/4	3/4
1	99,218	1	83,459	1	67,701	1	51,942	1	36,284	1	20,531	1	4,773	1	1	1	1	1	1
1/4	98,890	1/4	83,131	1/4	67,372	1/4	51,613	1/4	35,957	1/4	20,203	1/4	4,446	1/4	1/4	1/4	1/4	1/4	1/4
1/2	98,562	1/2	82,803	1/2	67,044	1/2	51,285	1/2	35,631	1/2	19,874	1/2	4,118	1/2	1/2	1/2	1/2	1/2	1/2
3/4	98,233	3/4	82,474	3/4	66,716	3/4	50,957	3/4	35,304	3/4	19,546	3/4	3,790	3/4	3/4	3/4	3/4	3/4	3/4
2	97,905	2	82,146	2	66,387	2	50,629	2	34,976	2	19,218	2	3,469	2	2	2	2	2	2
1/4	97,577	1/4	81,818	1/4	66,059	1/4	50,301	1/4	34,648	1/4	18,889	1/4	3,147	1/4	1/4	1/4	1/4	1/4	1/4
1/2	97,248	1/2	81,490	1/2	65,731	1/2	49,973	1/2	34,319	1/2	18,561	1/2	2,825	1/2	1/2	1/2	1/2	1/2	1/2
3/4	96,920	3/4	81,161	3/4	65,402	3/4	49,645	3/4	33,991	3/4	18,233	3/4	2,503	3/4	3/4	3/4	3/4	3/4	3/4
3	96,592	3	80,833	3	65,074	3	49,318	3	33,663	3	17,904	3	2,226	3	3	3	3	3	3
1/4	96,263	1/4	80,505	1/4	64,746	1/4	48,990	1/4	33,335	1/4	17,576	1/4	1,949	1/4	1/4	1/4	1/4	1/4	1/4
1/2	95,935	1/2	80,176	1/2	64,417	1/2	48,662	1/2	33,006	1/2	17,248	1/2	1,672	1/2	1/2	1/2	1/2	1/2	1/2
3/4	95,607	3/4	79,848	3/4	64,089	3/4	48,335	3/4	32,678	3/4	16,920	3/4	1,395	3/4	3/4	3/4	3/4	3/4	3/4
4	95,279	4	79,520	4	63,761	4	48,009	4	32,350	4	16,591	4	1,200	4	4	4	4	4	4
1/4	94,950	1/4	79,191	1/4	63,433	1/4	47,684	1/4	32,021	1/4	16,263	1/4	1,006	1/4	1/4	1/4	1/4	1/4	1/4
1/2	94,622	1/2	78,863	1/2	63,104	1/2	47,358	1/2	31,693	1/2	15,935	1/2	811	1/2	1/2	1/2	1/2	1/2	1/2
3/4	94,294	3/4	78,535	3/4	62,776	3/4	47,032	3/4	31,365	3/4	15,606	3/4	616	3/4	3/4	3/4	3/4	3/4	3/4
5	93,965	5	78,206	5	62,448	5	46,707	5	31,036	5	15,278	5		5	5	5	5	5	5
1/4	93,637	1/4	77,878	1/4	62,119	1/4	46,381	1/4	30,708	1/4	14,950	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	93,309	1/2	77,550	1/2	61,791	1/2	46,056	1/2	30,380	1/2	14,621	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	92,980	3/4	77,222	3/4	61,463	3/4	45,730	3/4	30,052	3/4	14,293	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	92,652	6	76,893	6	61,134	6	45,404	6	29,723	6	13,965	6	6	6	6	6	6	6	6
1/4	92,324	1/4	76,565	1/4	60,806	1/4	45,079	1/4	29,395	1/4	13,637	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	91,995	1/2	76,237	1/2	60,478	1/2	44,753	1/2	29,067	1/2	13,308	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	91,667	3/4	75,908	3/4	60,149	3/4	44,428	3/4	28,738	3/4	12,980	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	91,339	7	75,580	7	59,821	7	44,102	7	28,410	7	12,652	7	7	7	7	7	7	7	7
1/4	91,010	1/4	75,252	1/4	59,493	1/4	43,777	1/4	28,082	1/4	12,323	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	90,682	1/2	74,923	1/2	59,164	1/2	43,451	1/2	27,753	1/2	11,995	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	90,354	3/4	74,595	3/4	58,836	3/4	43,125	3/4	27,425	3/4	11,667	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	90,026	8	74,267	8	58,508	8	42,800	8	27,097	8	11,338	8	8	8	8	8	8	8	8
1/4	89,697	1/4	73,938	1/4	58,180	1/4	42,474	1/4	26,769	1/4	11,010	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	89,369	1/2	73,610	1/2	57,851	1/2	42,149	1/2	26,440	1/2	10,682	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	89,041	3/4	73,282	3/4	57,523	3/4	41,823	3/4	26,112	3/4	10,354	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	88,712	9	72,953	9	57,195	9	41,498	9	25,784	9	10,025	9	9	9	9	9	9	9	9
1/4	88,384	1/4	72,625	1/4	56,866	1/4	41,172	1/4	25,455	1/4	9,697	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	88,056	1/2	72,297	1/2	56,538	1/2	40,846	1/2	25,127	1/2	9,369	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	87,727	3/4	71,969	3/4	56,210	3/4	40,521	3/4	24,799	3/4	9,040	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	87,399	10	71,640	10	55,881	10	40,195	10	24,470	10	8,712	10	10	10	10	10	10	10	10
1/4	87,071	1/4	71,312	1/4	55,553	1/4	39,870	1/4	24,142	1/4	8,384	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	86,742	1/2	70,984	1/2	55,225	1/2	39,544	1/2	23,814	1/2	8,055	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	86,414	3/4	70,655	3/4	54,896	3/4	39,218	3/4	23,486	3/4	7,727	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	86,086	11	70,327	11	54,568	11	38,893	11	23,157	11	7,399	11	11	11	11	11	11	11	11
1/4	85,758	1/4	69,999	1/4	54,240	1/4	38,567	1/4	22,829	1/4	7,071	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,429	1/2	69,670	1/2	53,912	1/2	38,241	1/2	22,501	1/2	6,742	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,101	3/4	69,342	3/4	53,583	3/4	37,916	3/4	22,172	3/4	6,414	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/04/2013 SW
CALCULATED: 12/06/2013 CL
PRINTED: 12/06/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "CBC 317"

1 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	210,040	0	194,372	0	178,705	0	162,965	0	147,210	0	131,454	0	115,695
1/4	1/4	1/4	1/4	1/4	1/4	1/4	209,713	1/4	194,046	1/4	178,378	1/4	162,637	1/4	146,882	1/4	131,126	1/4	115,367
1/2	1/2	1/2	1/2	1/2	1/2	1/2	209,387	1/2	193,719	1/2	178,052	1/2	162,309	1/2	146,553	1/2	130,797	1/2	115,038
3/4	3/4	3/4	3/4	3/4	3/4	3/4	223,637	3/4	209,060	3/4	193,393	3/4	177,725	3/4	161,980	3/4	146,225	3/4	130,469
1		1		1		1	223,471	1	208,734	1	193,066	1	177,399	1	161,652	1	145,897	1	130,141
1/4	1/4	1/4	1/4	1/4	1/4	1/4	223,306	1/4	208,408	1/4	192,740	1/4	177,073	1/4	161,324	1/4	145,569	1/4	129,812
1/2	1/2	1/2	1/2	1/2	1/2	1/2	223,085	1/2	208,081	1/2	192,414	1/2	176,746	1/2	160,996	1/2	145,240	1/2	129,484
3/4	3/4	3/4	3/4	3/4	3/4	3/4	222,865	3/4	207,755	3/4	192,087	3/4	176,419	3/4	160,667	3/4	144,912	3/4	129,156
2		2		2		2	222,644	2	207,428	2	191,761	2	176,093	2	160,339	2	144,584	2	128,827
1/4	1/4	1/4	1/4	1/4	1/4	1/4	222,424	1/4	207,102	1/4	191,434	1/4	175,766	1/4	160,011	1/4	144,256	1/4	128,499
1/2	1/2	1/2	1/2	1/2	1/2	1/2	222,150	1/2	206,776	1/2	191,108	1/2	175,438	1/2	159,683	1/2	143,928	1/2	128,171
3/4	3/4	3/4	3/4	3/4	3/4	3/4	221,876	3/4	206,449	3/4	190,782	3/4	175,110	3/4	159,354	3/4	143,599	3/4	127,842
3		3		3		3	221,602	3	206,123	3	190,455	3	174,781	3	159,026	3	143,271	3	127,514
1/4	1/4	1/4	1/4	1/4	1/4	1/4	221,328	1/4	205,796	1/4	190,129	1/4	174,453	1/4	158,698	1/4	142,943	1/4	127,186
1/2	1/2	1/2	1/2	1/2	1/2	1/2	221,014	1/2	205,470	1/2	189,802	1/2	174,125	1/2	158,370	1/2	142,615	1/2	126,858
3/4	3/4	3/4	3/4	3/4	3/4	3/4	220,699	3/4	205,144	3/4	189,476	3/4	173,797	3/4	158,042	3/4	142,286	3/4	126,529
4		4		4		4	220,385	4	204,817	4	189,150	4	173,468	4	157,713	4	141,958	4	126,201
1/4	1/4	1/4	1/4	1/4	1/4	1/4	220,070	1/4	204,491	1/4	188,823	1/4	173,140	1/4	157,385	1/4	141,630	1/4	125,873
1/2	1/2	1/2	1/2	1/2	1/2	1/2	219,750	1/2	204,164	1/2	188,497	1/2	172,812	1/2	157,057	1/2	141,302	1/2	125,544
3/4	3/4	3/4	3/4	3/4	3/4	3/4	219,430	3/4	203,838	3/4	188,170	3/4	172,484	3/4	156,729	3/4	140,973	3/4	125,216
5		5		5		5	219,109	5	203,511	5	187,844	5	172,155	5	156,400	5	140,645	5	124,888
1/4	1/4	1/4	1/4	1/4	1/4	1/4	218,789	1/4	203,185	1/4	187,518	1/4	171,827	1/4	156,072	1/4	140,317	1/4	124,559
1/2	1/2	1/2	1/2	1/2	1/2	1/2	218,468	1/2	202,859	1/2	187,191	1/2	171,499	1/2	155,744	1/2	139,989	1/2	124,231
3/4	3/4	3/4	3/4	3/4	3/4	3/4	218,146	3/4	202,532	3/4	186,865	3/4	171,171	3/4	155,416	3/4	139,661	3/4	123,903
6		6		6		6	217,825	6	202,206	6	186,538	6	170,843	6	155,087	6	139,332	6	123,574
1/4	1/4	1/4	1/4	1/4	1/4	1/4	217,503	1/4	201,879	1/4	186,212	1/4	170,514	1/4	154,759	1/4	139,004	1/4	123,246
1/2	1/2	1/2	1/2	1/2	1/2	1/2	217,181	1/2	201,553	1/2	185,886	1/2	170,186	1/2	154,431	1/2	138,676	1/2	122,918
3/4	3/4	3/4	3/4	3/4	3/4	3/4	216,859	3/4	201,227	3/4	185,559	3/4	169,858	3/4	154,103	3/4	138,348	3/4	122,589
7		7		7		7	216,536	7	200,900	7	185,233	7	169,530	7	153,774	7	138,019	7	122,261
1/4	1/4	1/4	1/4	1/4	1/4	1/4	216,214	1/4	200,574	1/4	184,906	1/4	169,201	1/4	153,446	1/4	137,691	1/4	121,933
1/2	1/2	1/2	1/2	1/2	1/2	1/2	215,891	1/2	200,247	1/2	184,580	1/2	168,873	1/2	153,118	1/2	137,363	1/2	121,605
3/4	3/4	3/4	3/4	3/4	3/4	3/4	215,569	3/4	199,921	3/4	184,253	3/4	168,545	3/4	152,790	3/4	137,035	3/4	121,276
8		8		8		8	215,246	8	199,595	8	183,927	8	168,217	8	152,462	8	136,706	8	120,948
1/4	1/4	1/4	1/4	1/4	1/4	1/4	214,923	1/4	199,268	1/4	183,601	1/4	167,888	1/4	152,133	1/4	136,378	1/4	120,620
1/2	1/2	1/2	1/2	1/2	1/2	1/2	214,600	1/2	198,942	1/2	183,274	1/2	167,560	1/2	151,805	1/2	136,050	1/2	120,291
3/4	3/4	3/4	3/4	3/4	3/4	3/4	214,277	3/4	198,615	3/4	182,948	3/4	167,232	3/4	151,477	3/4	135,722	3/4	119,963
9		9		9		9	213,953	9	198,289	9	182,621	9	166,904	9	151,149	9	135,393	9	119,635
1/4	1/4	1/4	1/4	1/4	1/4	1/4	213,630	1/4	197,963	1/4	182,295	1/4	166,576	1/4	150,820	1/4	135,065	1/4	119,306
1/2	1/2	1/2	1/2	1/2	1/2	1/2	213,304	1/2	197,636	1/2	181,969	1/2	166,247	1/2	150,492	1/2	134,737	1/2	118,978
3/4	3/4	3/4	3/4	3/4	3/4	3/4	212,977	3/4	197,310	3/4	181,642	3/4	165,919	3/4	150,164	3/4	134,409	3/4	118,650
10		10		10		10	212,651	10	196,983	10	181,316	10	165,591	10	149,836	10	134,080	10	118,321
1/4	1/4	1/4	1/4	1/4	1/4	1/4	212,324	1/4	196,657	1/4	180,989	1/4	165,263	1/4	149,507	1/4	133,752	1/4	117,993
1/2	1/2	1/2	1/2	1/2	1/2	1/2	211,998	1/2	196,331	1/2	180,663	1/2	164,934	1/2	149,179	1/2	133,424	1/2	117,665
3/4	3/4	3/4	3/4	3/4	3/4	3/4	211,672	3/4	196,004	3/4	180,337	3/4	164,606	3/4	148,851	3/4	133,095	3/4	117,337
11		11		11		11	211,345	11	195,678	11	180,010	11	164,278	11	148,523	11	132,767	11	117,008
1/4	1/4	1/4	1/4	1/4	1/4	1/4	211,019	1/4	195,351	1/4	179,684	1/4	163,950	1/4	148,195	1/4	132,439	1/4	116,680
1/2	1/2	1/2	1/2	1/2	1/2	1/2	210,692	1/2	195,025	1/2	179,357	1/2	163,621	1/2	147,866	1/2	132,110	1/2	116,352
3/4	3/4	3/4	3/4	3/4	3/4	3/4	210,366	3/4	194,699	3/4	179,031	3/4	163,293	3/4	147,538	3/4	131,782	3/4	116,023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 44'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "CBC 317"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	99,936	0	84,177	0	68,418	0	52,660	0	36,940	0	21,187	0	5,429	0		0		0	
1/4	99,608	1/4	83,849	1/4	68,090	1/4	52,331	1/4	36,612	1/4	20,859	1/4	5,101	1/4	1/4	1/4		1/4	1/4
1/2	99,280	1/2	83,521	1/2	67,762	1/2	52,003	1/2	36,284	1/2	20,531	1/2	4,773	1/2	1/2	1/2		1/2	1/2
3/4	98,951	3/4	83,192	3/4	67,434	3/4	51,675	3/4	35,956	3/4	20,203	3/4	4,446	3/4	3/4	3/4		3/4	3/4
1	98,623	1	82,864	1	67,105	1	51,346	1	35,629	1	19,874	1	4,118	1	1	1		1	1
1/4	98,295	1/4	82,536	1/4	66,777	1/4	51,018	1/4	35,301	1/4	19,546	1/4	3,790	1/4	1/4	1/4		1/4	1/4
1/2	97,966	1/2	82,207	1/2	66,449	1/2	50,690	1/2	34,973	1/2	19,218	1/2	3,469	1/2	1/2	1/2		1/2	1/2
3/4	97,638	3/4	81,879	3/4	66,120	3/4	50,362	3/4	34,645	3/4	18,889	3/4	3,147	3/4	3/4	3/4		3/4	3/4
2	97,310	2	81,551	2	65,792	2	50,034	2	34,317	2	18,561	2	2,825	2	2	2		2	2
1/4	96,981	1/4	81,223	1/4	65,464	1/4	49,707	1/4	33,990	1/4	18,233	1/4	2,503	1/4	1/4	1/4		1/4	1/4
1/2	96,653	1/2	80,894	1/2	65,135	1/2	49,379	1/2	33,662	1/2	17,904	1/2	2,226	1/2	1/2	1/2		1/2	1/2
3/4	96,325	3/4	80,566	3/4	64,807	3/4	49,051	3/4	33,334	3/4	17,576	3/4	1,949	3/4	3/4	3/4		3/4	3/4
3	95,996	3	80,238	3	64,479	3	48,723	3	33,006	3	17,248	3	1,672	3	3	3		3	3
1/4	95,668	1/4	79,909	1/4	64,150	1/4	48,395	1/4	32,678	1/4	16,920	1/4	1,395	1/4	1/4	1/4		1/4	1/4
1/2	95,340	1/2	79,581	1/2	63,822	1/2	48,067	1/2	32,350	1/2	16,591	1/2	1,200	1/2	1/2	1/2		1/2	1/2
3/4	95,012	3/4	79,253	3/4	63,494	3/4	47,740	3/4	32,021	3/4	16,263	3/4	1,006	3/4	3/4	3/4		3/4	3/4
4	94,683	4	78,924	4	63,165	4	47,412	4	31,693	4	15,935	4	811	4	4	4		4	4
1/4	94,355	1/4	78,596	1/4	62,837	1/4	47,085	1/4	31,365	1/4	15,606	1/4	616	1/4	1/4	1/4		1/4	1/4
1/2	94,027	1/2	78,268	1/2	62,509	1/2	46,757	1/2	31,036	1/2	15,278	1/2		1/2	1/2	1/2		1/2	1/2
3/4	93,698	3/4	77,939	3/4	62,181	3/4	46,430	3/4	30,708	3/4	14,950	3/4		3/4	3/4	3/4		3/4	3/4
5	93,370	5	77,611	5	61,852	5	46,102	5	30,380	5	14,621	5	5	5	5	5		5	5
1/4	93,042	1/4	77,283	1/4	61,524	1/4	45,775	1/4	30,052	1/4	14,293	1/4		1/4	1/4	1/4		1/4	1/4
1/2	92,713	1/2	76,954	1/2	61,196	1/2	45,447	1/2	29,723	1/2	13,965	1/2		1/2	1/2	1/2		1/2	1/2
3/4	92,385	3/4	76,626	3/4	60,867	3/4	45,120	3/4	29,395	3/4	13,637	3/4		3/4	3/4	3/4		3/4	3/4
6	92,057	6	76,298	6	60,539	6	44,793	6	29,067	6	13,308	6	6	6	6	6		6	6
1/4	91,728	1/4	75,970	1/4	60,211	1/4	44,466	1/4	28,738	1/4	12,980	1/4		1/4	1/4	1/4		1/4	1/4
1/2	91,400	1/2	75,641	1/2	59,882	1/2	44,139	1/2	28,410	1/2	12,652	1/2		1/2	1/2	1/2		1/2	1/2
3/4	91,072	3/4	75,313	3/4	59,554	3/4	43,812	3/4	28,082	3/4	12,323	3/4		3/4	3/4	3/4		3/4	3/4
7	90,743	7	74,985	7	59,226	7	43,485	7	27,753	7	11,995	7	7	7	7	7		7	7
1/4	90,415	1/4	74,656	1/4	58,897	1/4	43,158	1/4	27,425	1/4	11,667	1/4		1/4	1/4	1/4		1/4	1/4
1/2	90,087	1/2	74,328	1/2	58,569	1/2	42,831	1/2	27,097	1/2	11,338	1/2		1/2	1/2	1/2		1/2	1/2
3/4	89,759	3/4	74,000	3/4	58,241	3/4	42,503	3/4	26,769	3/4	11,010	3/4		3/4	3/4	3/4		3/4	3/4
8	89,430	8	73,671	8	57,913	8	42,176	8	26,440	8	10,682	8	8	8	8	8		8	8
1/4	89,102	1/4	73,343	1/4	57,584	1/4	41,849	1/4	26,112	1/4	10,354	1/4		1/4	1/4	1/4		1/4	1/4
1/2	88,774	1/2	73,015	1/2	57,256	1/2	41,522	1/2	25,784	1/2	10,025	1/2		1/2	1/2	1/2		1/2	1/2
3/4	88,445	3/4	72,686	3/4	56,928	3/4	41,195	3/4	25,455	3/4	9,697	3/4		3/4	3/4	3/4		3/4	3/4
9	88,117	9	72,358	9	56,599	9	40,868	9	25,127	9	9,369	9	9	9	9	9		9	9
1/4	87,789	1/4	72,030	1/4	56,271	1/4	40,541	1/4	24,799	1/4	9,040	1/4		1/4	1/4	1/4		1/4	1/4
1/2	87,460	1/2	71,702	1/2	55,943	1/2	40,214	1/2	24,470	1/2	8,712	1/2		1/2	1/2	1/2		1/2	1/2
3/4	87,132	3/4	71,373	3/4	55,614	3/4	39,887	3/4	24,142	3/4	8,384	3/4		3/4	3/4	3/4		3/4	3/4
10	86,804	10	71,045	10	55,286	10	39,559	10	23,814	10	8,055	10	10	10	10	10		10	10
1/4	86,475	1/4	70,717	1/4	54,958	1/4	39,232	1/4	23,486	1/4	7,727	1/4		1/4	1/4	1/4		1/4	1/4
1/2	86,147	1/2	70,388	1/2	54,629	1/2	38,905	1/2	23,157	1/2	7,399	1/2		1/2	1/2	1/2		1/2	1/2
3/4	85,819	3/4	70,060	3/4	54,301	3/4	38,578	3/4	22,829	3/4	7,071	3/4		3/4	3/4	3/4		3/4	3/4
11	85,491	11	69,732	11	53,973	11	38,251	11	22,501	11	6,742	11	11	11	11	11		11	11
1/4	85,162	1/4	69,403	1/4	53,645	1/4	37,923	1/4	22,172	1/4	6,414	1/4		1/4	1/4	1/4		1/4	1/4
1/2	84,834	1/2	69,075	1/2	53,316	1/2	37,596	1/2	21,844	1/2	6,086	1/2		1/2	1/2	1/2		1/2	1/2
3/4	84,506	3/4	68,747	3/4	52,988	3/4	37,268	3/4	21,516	3/4	5,758	3/4		3/4	3/4	3/4		3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/04/2013 SW
CALCULATED: 12/06/2013 CL
PRINTED: 12/06/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
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Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "CBC 317"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-03 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0		0		0		0	204,239	0	188,943	0	173,646	0	158,274	0	142,889	0	127,504	0	112,116		
1/4	1/4	1/4	1/4	1/4	1/4	1/4	218,149	1/4	203,921	1/4	188,624	1/4	173,327	1/4	157,953	1/4	142,569	1/4	127,183	1/4	111,795
1/2	1/2	1/2	1/2	1/2	1/2	1/2	217,988	1/2	203,602	1/2	188,305	1/2	173,009	1/2	157,633	1/2	142,248	1/2	126,863	1/2	111,475
3/4	3/4	3/4	3/4	3/4	3/4	3/4	217,826	3/4	203,283	3/4	187,987	3/4	172,690	3/4	157,312	3/4	141,928	3/4	126,542	3/4	111,154
1		1		1		1	217,611	1	202,965	1	187,668	1	172,371	1	156,991	1	141,607	1	126,222	1	110,834
1/4	1/4	1/4	1/4	1/4	1/4	1/4	217,396	1/4	202,646	1/4	187,349	1/4	172,052	1/4	156,671	1/4	141,287	1/4	125,901	1/4	110,513
1/2	1/2	1/2	1/2	1/2	1/2	1/2	217,181	1/2	202,327	1/2	187,030	1/2	171,733	1/2	156,350	1/2	140,966	1/2	125,580	1/2	110,192
3/4	3/4	3/4	3/4	3/4	3/4	3/4	216,966	3/4	202,008	3/4	186,712	3/4	171,414	3/4	156,030	3/4	140,646	3/4	125,260	3/4	109,872
2		2		2		2	216,698	2	201,690	2	186,393	2	171,094	2	155,709	2	140,325	2	124,939	2	109,551
1/4	1/4	1/4	1/4	1/4	1/4	1/4	216,431	1/4	201,371	1/4	186,074	1/4	170,773	1/4	155,389	1/4	140,005	1/4	124,619	1/4	109,231
1/2	1/2	1/2	1/2	1/2	1/2	1/2	216,163	1/2	201,052	1/2	185,756	1/2	170,453	1/2	155,068	1/2	139,684	1/2	124,298	1/2	108,910
3/4	3/4	3/4	3/4	3/4	3/4	3/4	215,896	3/4	200,734	3/4	185,437	3/4	170,132	3/4	154,748	3/4	139,364	3/4	123,978	3/4	108,590
3		3		3		3	215,589	3	200,415	3	185,118	3	169,812	3	154,427	3	139,043	3	123,657	3	108,269
1/4	1/4	1/4	1/4	1/4	1/4	1/4	215,282	1/4	200,096	1/4	184,800	1/4	169,491	1/4	154,107	1/4	138,723	1/4	123,336	1/4	107,948
1/2	1/2	1/2	1/2	1/2	1/2	1/2	214,975	1/2	199,778	1/2	184,481	1/2	169,171	1/2	153,786	1/2	138,402	1/2	123,016	1/2	107,628
3/4	3/4	3/4	3/4	3/4	3/4	3/4	214,668	3/4	199,459	3/4	184,162	3/4	168,850	3/4	153,466	3/4	138,082	3/4	122,695	3/4	107,307
4		4		4		4	214,356	4	199,140	4	183,844	4	168,530	4	153,145	4	137,761	4	122,375	4	106,987
1/4	1/4	1/4	1/4	1/4	1/4	1/4	214,043	1/4	198,822	1/4	183,525	1/4	168,209	1/4	152,825	1/4	137,441	1/4	122,054	1/4	106,666
1/2	1/2	1/2	1/2	1/2	1/2	1/2	213,730	1/2	198,503	1/2	183,206	1/2	167,889	1/2	152,504	1/2	137,120	1/2	121,733	1/2	106,345
3/4	3/4	3/4	3/4	3/4	3/4	3/4	213,418	3/4	198,184	3/4	182,888	3/4	167,568	3/4	152,184	3/4	136,800	3/4	121,413	3/4	106,025
5		5		5		5	213,104	5	197,866	5	182,569	5	167,248	5	151,863	5	136,479	5	121,092	5	105,704
1/4	1/4	1/4	1/4	1/4	1/4	1/4	212,790	1/4	197,547	1/4	182,250	1/4	166,927	1/4	151,543	1/4	136,159	1/4	120,772	1/4	105,384
1/2	1/2	1/2	1/2	1/2	1/2	1/2	212,476	1/2	197,228	1/2	181,932	1/2	166,607	1/2	151,222	1/2	135,838	1/2	120,451	1/2	105,063
3/4	3/4	3/4	3/4	3/4	3/4	3/4	212,163	3/4	196,910	3/4	181,613	3/4	166,286	3/4	150,902	3/4	135,518	3/4	120,131	3/4	104,743
6		6		6		6	211,848	6	196,591	6	181,294	6	165,966	6	150,581	6	135,197	6	119,810	6	104,422
1/4	1/4	1/4	1/4	1/4	1/4	1/4	211,533	1/4	196,272	1/4	180,976	1/4	165,645	1/4	150,261	1/4	134,877	1/4	119,489	1/4	104,101
1/2	1/2	1/2	1/2	1/2	1/2	1/2	211,219	1/2	195,954	1/2	180,657	1/2	165,325	1/2	149,940	1/2	134,556	1/2	119,169	1/2	103,781
3/4	3/4	3/4	3/4	3/4	3/4	3/4	210,904	3/4	195,635	3/4	180,338	3/4	165,004	3/4	149,620	3/4	134,236	3/4	118,848	3/4	103,460
7		7		7		7	210,589	7	195,316	7	180,020	7	164,684	7	149,299	7	133,915	7	118,528	7	103,140
1/4	1/4	1/4	1/4	1/4	1/4	1/4	210,274	1/4	194,997	1/4	179,701	1/4	164,363	1/4	148,979	1/4	133,595	1/4	118,207	1/4	102,819
1/2	1/2	1/2	1/2	1/2	1/2	1/2	209,959	1/2	194,679	1/2	179,382	1/2	164,043	1/2	148,658	1/2	133,274	1/2	117,886	1/2	102,498
3/4	3/4	3/4	3/4	3/4	3/4	3/4	209,644	3/4	194,360	3/4	179,063	3/4	163,722	3/4	148,338	3/4	132,954	3/4	117,566	3/4	102,178
8		8		8		8	209,329	8	194,041	8	178,745	8	163,402	8	148,017	8	132,633	8	117,245	8	101,857
1/4	1/4	1/4	1/4	1/4	1/4	1/4	209,013	1/4	193,723	1/4	178,426	1/4	163,081	1/4	147,697	1/4	132,313	1/4	116,925	1/4	101,537
1/2	1/2	1/2	1/2	1/2	1/2	1/2	208,698	1/2	193,404	1/2	178,107	1/2	162,761	1/2	147,376	1/2	131,992	1/2	116,604	1/2	101,216
3/4	3/4	3/4	3/4	3/4	3/4	3/4	208,382	3/4	193,085	3/4	177,789	3/4	162,440	3/4	147,056	3/4	131,672	3/4	116,284	3/4	100,896
9		9		9		9	208,063	9	192,767	9	177,470	9	162,120	9	146,735	9	131,351	9	115,963	9	100,575
1/4	1/4	1/4	1/4	1/4	1/4	1/4	207,745	1/4	192,448	1/4	177,151	1/4	161,799	1/4	146,415	1/4	131,030	1/4	115,642	1/4	100,254
1/2	1/2	1/2	1/2	1/2	1/2	1/2	207,426	1/2	192,129	1/2	176,833	1/2	161,479	1/2	146,094	1/2	130,710	1/2	115,322	1/2	99,934
3/4	3/4	3/4	3/4	3/4	3/4	3/4	207,107	3/4	191,811	3/4	176,514	3/4	161,158	3/4	145,774	3/4	130,389	3/4	115,001	3/4	99,613
10		10		10		10	206,789	10	191,492	10	176,195	10	160,838	10	145,453	10	130,069	10	114,681	10	99,293
1/4	1/4	1/4	1/4	1/4	1/4	1/4	206,470	1/4	191,173	1/4	175,877	1/4	160,517	1/4	145,133	1/4	129,748	1/4	114,360	1/4	98,972
1/2	1/2	1/2	1/2	1/2	1/2	1/2	206,151	1/2	190,855	1/2	175,558	1/2	160,197	1/2	144,812	1/2	129,427	1/2	114,039	1/2	98,651
3/4	3/4	3/4	3/4	3/4	3/4	3/4	205,833	3/4	190,536	3/4	175,239	3/4	159,876	3/4	144,492	3/4	129,107	3/4	113,719	3/4	98,331
11		11		11		11	205,514	11	190,217	11	174,921	11	159,556	11	144,171	11	128,786	11	113,398	11	98,010
1/4	1/4	1/4	1/4	1/4	1/4	1/4	205,195	1/4	189,899	1/4	174,602	1/4	159,235	1/4	143,851	1/4	128,466	1/4	113,078	1/4	97,690
1/2	1/2	1/2	1/2	1/2	1/2	1/2	204,877	1/2	189,580	1/2	174,283	1/2	158,915	1/2	143,530	1/2	128,145	1/2	112,757	1/2	97,369
3/4	3/4	3/4	3/4	3/4	3/4	3/4	204,558	3/4	189,261	3/4	173,965	3/4	158,594	3/4	143,210	3/4	127,825	3/4	112,437	3/4	97,049

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "CBC 317"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-03 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	96,728	0	81,340	0	65,952	0	50,565	0	35,436	0	20,048	0	4,662	0		0		0	
1/4	96,407	1/4	81,019	1/4	65,631	1/4	50,245	1/4	35,115	1/4	19,728	1/4	4,342	1/4	1/4	1/4	1/4	1/4	1/4
1/2	96,087	1/2	80,699	1/2	65,311	1/2	49,925	1/2	34,795	1/2	19,407	1/2	4,022	1/2	1/2	1/2	1/2	1/2	1/2
3/4	95,766	3/4	80,378	3/4	64,990	3/4	49,605	3/4	34,474	3/4	19,086	3/4	3,702	3/4	3/4	3/4	3/4	3/4	3/4
1	95,446	1	80,058	1	64,670	1	49,291	1	34,153	1	18,766	1	3,387	1	1	1	1	1	1
1/4	95,125	1/4	79,737	1/4	64,349	1/4	48,977	1/4	33,833	1/4	18,445	1/4	3,073	1/4	1/4	1/4	1/4	1/4	1/4
1/2	94,804	1/2	79,416	1/2	64,029	1/2	48,662	1/2	33,512	1/2	18,125	1/2	2,759	1/2	1/2	1/2	1/2	1/2	1/2
3/4	94,484	3/4	79,096	3/4	63,708	3/4	48,348	3/4	33,192	3/4	17,804	3/4	2,445	3/4	3/4	3/4	3/4	3/4	3/4
2	94,163	2	78,775	2	63,387	2	48,034	2	32,871	2	17,484	2	2,174	2	2	2	2	2	2
1/4	93,843	1/4	78,455	1/4	63,067	1/4	47,719	1/4	32,551	1/4	17,163	1/4	1,904	1/4	1/4	1/4	1/4	1/4	1/4
1/2	93,522	1/2	78,134	1/2	62,746	1/2	47,405	1/2	32,230	1/2	16,842	1/2	1,633	1/2	1/2	1/2	1/2	1/2	1/2
3/4	93,202	3/4	77,814	3/4	62,426	3/4	47,091	3/4	31,909	3/4	16,522	3/4	1,363	3/4	3/4	3/4	3/4	3/4	3/4
3	92,881	3	77,493	3	62,105	3	46,777	3	31,589	3	16,201	3	1,173	3	3	3	3	3	3
1/4	92,560	1/4	77,172	1/4	61,784	1/4	46,463	1/4	31,268	1/4	15,881	1/4	982	1/4	1/4	1/4	1/4	1/4	1/4
1/2	92,240	1/2	76,852	1/2	61,464	1/2	46,149	1/2	30,948	1/2	15,560	1/2	792	1/2	1/2	1/2	1/2	1/2	1/2
3/4	91,919	3/4	76,531	3/4	61,143	3/4	45,835	3/4	30,627	3/4	15,240	3/4	602	3/4	3/4	3/4	3/4	3/4	3/4
4	91,599	4	76,211	4	60,823	4	45,521	4	30,307	4	14,919	4		4	4	4	4	4	4
1/4	91,278	1/4	75,890	1/4	60,502	1/4	45,206	1/4	29,986	1/4	14,598	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	90,957	1/2	75,570	1/2	60,182	1/2	44,892	1/2	29,665	1/2	14,278	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	90,637	3/4	75,249	3/4	59,861	3/4	44,578	3/4	29,345	3/4	13,957	3/4		3/4	3/4	3/4	3/4	3/4	3/4
5	90,316	5	74,928	5	59,540	5	44,264	5	29,024	5	13,637	5		5	5	5	5	5	5
1/4	89,996	1/4	74,608	1/4	59,220	1/4	43,950	1/4	28,704	1/4	13,316	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	89,675	1/2	74,287	1/2	58,899	1/2	43,636	1/2	28,383	1/2	12,996	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	89,355	3/4	73,967	3/4	58,579	3/4	43,322	3/4	28,063	3/4	12,675	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	89,034	6	73,646	6	58,258	6	43,008	6	27,742	6	12,354	6		6	6	6	6	6	6
1/4	88,713	1/4	73,325	1/4	57,937	1/4	42,694	1/4	27,421	1/4	12,034	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	88,393	1/2	73,005	1/2	57,617	1/2	42,380	1/2	27,101	1/2	11,713	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	88,072	3/4	72,684	3/4	57,296	3/4	42,066	3/4	26,780	3/4	11,393	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	87,752	7	72,364	7	56,976	7	41,752	7	26,460	7	11,072	7		7	7	7	7	7	7
1/4	87,431	1/4	72,043	1/4	56,655	1/4	41,438	1/4	26,139	1/4	10,752	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	87,110	1/2	71,723	1/2	56,335	1/2	41,124	1/2	25,819	1/2	10,431	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	86,790	3/4	71,402	3/4	56,014	3/4	40,810	3/4	25,498	3/4	10,110	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	86,469	8	71,081	8	55,693	8	40,496	8	25,177	8	9,790	8		8	8	8	8	8	8
1/4	86,149	1/4	70,761	1/4	55,373	1/4	40,182	1/4	24,857	1/4	9,469	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,828	1/2	70,440	1/2	55,052	1/2	39,868	1/2	24,536	1/2	9,149	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,508	3/4	70,120	3/4	54,732	3/4	39,554	3/4	24,216	3/4	8,828	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	85,187	9	69,799	9	54,411	9	39,240	9	23,895	9	8,508	9		9	9	9	9	9	9
1/4	84,866	1/4	69,478	1/4	54,090	1/4	38,926	1/4	23,574	1/4	8,187	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,546	1/2	69,158	1/2	53,770	1/2	38,612	1/2	23,254	1/2	7,866	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,225	3/4	68,837	3/4	53,449	3/4	38,298	3/4	22,933	3/4	7,546	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	83,905	10	68,517	10	53,129	10	37,983	10	22,613	10	7,225	10		10	10	10	10	10	10
1/4	83,584	1/4	68,196	1/4	52,808	1/4	37,668	1/4	22,292	1/4	6,905	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,263	1/2	67,876	1/2	52,488	1/2	37,353	1/2	21,972	1/2	6,584	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,943	3/4	67,555	3/4	52,167	3/4	37,039	3/4	21,651	3/4	6,264	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	82,622	11	67,234	11	51,846	11	36,718	11	21,330	11	5,943	11		11	11	11	11	11	11
1/4	82,302	1/4	66,914	1/4	51,526	1/4	36,397	1/4	21,010	1/4	5,623	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,981	1/2	66,593	1/2	51,205	1/2	36,077	1/2	20,689	1/2	5,302	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,661	3/4	66,273	3/4	50,885	3/4	35,756	3/4	20,369	3/4	4,982	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/04/2013 SW
CALCULATED: 12/06/2013 CL
PRINTED: 12/06/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "CBC 317"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-03 3/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	0	0	204,160	0	188,864	0	173,567	0	158,195	0	142,810	0	127,425	0	112,037		
1/4	1/4	1/4	218,071	1/4	203,842	1/4	188,545	1/4	173,248	1/4	157,874	1/4	142,490	1/4	127,105	1/4	111,717		
1/2	1/2	1/2	217,909	1/2	203,523	1/2	188,226	1/2	172,930	1/2	157,554	1/2	142,169	1/2	126,784	1/2	111,396		
3/4	3/4	3/4	217,747	3/4	203,204	3/4	187,908	3/4	172,611	3/4	157,233	3/4	141,849	3/4	126,463	3/4	111,075		
1	1	1	217,532	1	202,886	1	187,589	1	172,292	1	156,913	1	141,528	1	126,143	1	110,755		
1/4	1/4	1/4	217,317	1/4	202,567	1/4	187,270	1/4	171,973	1/4	156,592	1/4	141,208	1/4	125,822	1/4	110,434		
1/2	1/2	1/2	217,102	1/2	202,248	1/2	186,952	1/2	171,654	1/2	156,272	1/2	140,887	1/2	125,502	1/2	110,114		
3/4	3/4	3/4	216,887	3/4	201,930	3/4	186,633	3/4	171,335	3/4	155,951	3/4	140,567	3/4	125,181	3/4	109,793		
2	2	2	216,619	2	201,611	2	186,314	2	171,015	2	155,631	2	140,246	2	124,860	2	109,472		
1/4	1/4	1/4	216,352	1/4	201,292	1/4	185,996	1/4	170,694	1/4	155,310	1/4	139,926	1/4	124,540	1/4	109,152		
1/2	1/2	1/2	216,084	1/2	200,974	1/2	185,677	1/2	170,374	1/2	154,990	1/2	139,605	1/2	124,219	1/2	108,831		
3/4	3/4	3/4	215,817	3/4	200,655	3/4	185,358	3/4	170,053	3/4	154,669	3/4	139,285	3/4	123,899	3/4	108,511		
3	3	3	215,510	3	200,336	3	185,040	3	169,733	3	154,349	3	138,964	3	123,578	3	108,190		
1/4	1/4	1/4	215,203	1/4	200,018	1/4	184,721	1/4	169,412	1/4	154,028	1/4	138,644	1/4	123,258	1/4	107,870		
1/2	1/2	1/2	214,896	1/2	199,699	1/2	184,402	1/2	169,092	1/2	153,708	1/2	138,323	1/2	122,937	1/2	107,549		
3/4	3/4	3/4	214,589	3/4	199,380	3/4	184,084	3/4	168,771	3/4	153,387	3/4	138,003	3/4	122,616	3/4	107,228		
4	4	4	214,277	4	199,061	4	183,765	4	168,451	4	153,067	4	137,682	4	122,296	4	106,908		
1/4	1/4	1/4	213,964	1/4	198,743	1/4	183,446	1/4	168,130	1/4	152,746	1/4	137,362	1/4	121,975	1/4	106,587		
1/2	1/2	1/2	213,652	1/2	198,424	1/2	183,127	1/2	167,810	1/2	152,426	1/2	137,041	1/2	121,655	1/2	106,267		
3/4	3/4	3/4	213,339	3/4	198,105	3/4	182,809	3/4	167,489	3/4	152,105	3/4	136,721	3/4	121,334	3/4	105,946		
5	5	5	213,025	5	197,787	5	182,490	5	167,169	5	151,785	5	136,400	5	121,013	5	105,625		
1/4	1/4	1/4	212,711	1/4	197,468	1/4	182,171	1/4	166,848	1/4	151,464	1/4	136,080	1/4	120,693	1/4	105,305		
1/2	1/2	1/2	212,397	1/2	197,149	1/2	181,853	1/2	166,528	1/2	151,144	1/2	135,759	1/2	120,372	1/2	104,984		
3/4	3/4	3/4	212,084	3/4	196,831	3/4	181,534	3/4	166,207	3/4	150,823	3/4	135,439	3/4	120,052	3/4	104,664		
6	6	6	211,769	6	196,512	6	181,215	6	165,887	6	150,503	6	135,118	6	119,731	6	104,343		
1/4	1/4	1/4	211,455	1/4	196,193	1/4	180,897	1/4	165,566	1/4	150,182	1/4	134,798	1/4	119,411	1/4	104,023		
1/2	1/2	1/2	211,140	1/2	195,875	1/2	180,578	1/2	165,246	1/2	149,862	1/2	134,477	1/2	119,090	1/2	103,702		
3/4	3/4	3/4	210,826	3/4	195,556	3/4	180,259	3/4	164,925	3/4	149,541	3/4	134,157	3/4	118,769	3/4	103,381		
7	7	7	210,511	7	195,237	7	179,941	7	164,605	7	149,221	7	133,836	7	118,449	7	103,061		
1/4	1/4	1/4	210,196	1/4	194,919	1/4	179,622	1/4	164,284	1/4	148,900	1/4	133,516	1/4	118,128	1/4	102,740		
1/2	1/2	1/2	209,881	1/2	194,600	1/2	179,303	1/2	163,964	1/2	148,580	1/2	133,195	1/2	117,808	1/2	102,420		
3/4	3/4	3/4	209,566	3/4	194,281	3/4	178,985	3/4	163,643	3/4	148,259	3/4	132,875	3/4	117,487	3/4	102,099		
8	8	8	209,250	8	193,963	8	178,666	8	163,323	8	147,938	8	132,554	8	117,166	8	101,778		
1/4	1/4	1/4	208,934	1/4	193,644	1/4	178,347	1/4	163,002	1/4	147,618	1/4	132,234	1/4	116,846	1/4	101,458		
1/2	1/2	1/2	208,619	1/2	193,325	1/2	178,029	1/2	162,682	1/2	147,297	1/2	131,913	1/2	116,525	1/2	101,137		
3/4	3/4	3/4	208,303	3/4	193,007	3/4	177,710	3/4	162,361	3/4	146,977	3/4	131,593	3/4	116,205	3/4	100,817		
9	9	9	207,985	9	192,688	9	177,391	9	162,041	9	146,656	9	131,272	9	115,884	9	100,496		
1/4	1/4	1/4	207,666	1/4	192,369	1/4	177,073	1/4	161,720	1/4	146,336	1/4	130,952	1/4	115,564	1/4	100,176		
1/2	1/2	1/2	207,347	1/2	192,051	1/2	176,754	1/2	161,400	1/2	146,015	1/2	130,631	1/2	115,243	1/2	99,855		
3/4	3/4	3/4	207,029	3/4	191,732	3/4	176,435	3/4	161,079	3/4	145,695	3/4	130,310	3/4	114,922	3/4	99,534		
10	10	10	206,710	10	191,413	10	176,116	10	160,759	10	145,374	10	129,990	10	114,602	10	99,214		
1/4	1/4	1/4	206,391	1/4	191,094	1/4	175,798	1/4	160,438	1/4	145,054	1/4	129,669	1/4	114,281	1/4	98,893		
1/2	1/2	1/2	206,072	1/2	190,776	1/2	175,479	1/2	160,118	1/2	144,733	1/2	129,349	1/2	113,961	1/2	98,573		
3/4	3/4	3/4	205,754	3/4	190,457	3/4	175,160	3/4	159,797	3/4	144,413	3/4	129,028	3/4	113,640	3/4	98,252		
11	11	11	205,435	11	190,138	11	174,842	11	159,477	11	144,092	11	128,707	11	113,319	11	97,931		
1/4	1/4	1/4	205,116	1/4	189,820	1/4	174,523	1/4	159,156	1/4	143,772	1/4	128,387	1/4	112,999	1/4	97,611		
1/2	1/2	1/2	204,798	1/2	189,501	1/2	174,204	1/2	158,836	1/2	143,451	1/2	128,066	1/2	112,678	1/2	97,290		
3/4	3/4	3/4	204,479	3/4	189,182	3/4	173,886	3/4	158,515	3/4	143,131	3/4	127,746	3/4	112,358	3/4	96,970		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
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BARGE "CBC 317"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-03 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	96,649	0	81,261	0	65,873	0	50,485	0	35,416	0	20,048	0	4,662	0		0		0	
1/4	96,329	1/4	80,941	1/4	65,553	1/4	50,165	1/4	35,102	1/4	19,728	1/4	4,342	1/4	1/4	1/4	1/4	1/4	1/4
1/2	96,008	1/2	80,620	1/2	65,232	1/2	49,845	1/2	34,788	1/2	19,407	1/2	4,022	1/2	1/2	1/2	1/2	1/2	1/2
3/4	95,687	3/4	80,299	3/4	64,911	3/4	49,524	3/4	34,474	3/4	19,086	3/4	3,702	3/4	3/4	3/4	3/4	3/4	3/4
1	95,367	1	79,979	1	64,591	1	49,206	1	34,153	1	18,766	1	3,387	1	1	1	1	1	1
1/4	95,046	1/4	79,658	1/4	64,270	1/4	48,887	1/4	33,833	1/4	18,445	1/4	3,073	1/4	1/4	1/4	1/4	1/4	1/4
1/2	94,726	1/2	79,338	1/2	63,950	1/2	48,568	1/2	33,512	1/2	18,125	1/2	2,759	1/2	1/2	1/2	1/2	1/2	1/2
3/4	94,405	3/4	79,017	3/4	63,629	3/4	48,250	3/4	33,192	3/4	17,804	3/4	2,445	3/4	3/4	3/4	3/4	3/4	3/4
2	94,084	2	78,696	2	63,308	2	47,932	2	32,871	2	17,484	2	2,174	2	2	2	2	2	2
1/4	93,764	1/4	78,376	1/4	62,988	1/4	47,614	1/4	32,551	1/4	17,163	1/4	1,904	1/4	1/4	1/4	1/4	1/4	1/4
1/2	93,443	1/2	78,055	1/2	62,667	1/2	47,296	1/2	32,230	1/2	16,842	1/2	1,633	1/2	1/2	1/2	1/2	1/2	1/2
3/4	93,123	3/4	77,735	3/4	62,347	3/4	46,978	3/4	31,909	3/4	16,522	3/4	1,363	3/4	3/4	3/4	3/4	3/4	3/4
3	92,802	3	77,414	3	62,026	3	46,666	3	31,589	3	16,201	3	1,173	3	3	3	3	3	3
1/4	92,482	1/4	77,094	1/4	61,706	1/4	46,353	1/4	31,268	1/4	15,881	1/4	982	1/4	1/4	1/4	1/4	1/4	1/4
1/2	92,161	1/2	76,773	1/2	61,385	1/2	46,041	1/2	30,948	1/2	15,560	1/2	792	1/2	1/2	1/2	1/2	1/2	1/2
3/4	91,840	3/4	76,452	3/4	61,064	3/4	45,729	3/4	30,627	3/4	15,240	3/4	602	3/4	3/4	3/4	3/4	3/4	3/4
4	91,520	4	76,132	4	60,744	4	45,416	4	30,307	4	14,919	4		4	4	4	4	4	4
1/4	91,199	1/4	75,811	1/4	60,423	1/4	45,104	1/4	29,986	1/4	14,598	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	90,879	1/2	75,491	1/2	60,103	1/2	44,792	1/2	29,665	1/2	14,278	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	90,558	3/4	75,170	3/4	59,782	3/4	44,479	3/4	29,345	3/4	13,957	3/4		3/4	3/4	3/4	3/4	3/4	3/4
5	90,237	5	74,849	5	59,461	5	44,167	5	29,024	5	13,637	5		5	5	5	5	5	5
1/4	89,917	1/4	74,529	1/4	59,141	1/4	43,855	1/4	28,704	1/4	13,316	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	89,596	1/2	74,208	1/2	58,820	1/2	43,542	1/2	28,383	1/2	12,996	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	89,276	3/4	73,888	3/4	58,500	3/4	43,230	3/4	28,063	3/4	12,675	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	88,955	6	73,567	6	58,179	6	42,917	6	27,742	6	12,354	6		6	6	6	6	6	6
1/4	88,635	1/4	73,247	1/4	57,859	1/4	42,605	1/4	27,421	1/4	12,034	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	88,314	1/2	72,926	1/2	57,538	1/2	42,293	1/2	27,101	1/2	11,713	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	87,993	3/4	72,605	3/4	57,217	3/4	41,980	3/4	26,780	3/4	11,393	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	87,673	7	72,285	7	56,897	7	41,668	7	26,460	7	11,072	7		7	7	7	7	7	7
1/4	87,352	1/4	71,964	1/4	56,576	1/4	41,356	1/4	26,139	1/4	10,752	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	87,032	1/2	71,644	1/2	56,256	1/2	41,043	1/2	25,819	1/2	10,431	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	86,711	3/4	71,323	3/4	55,935	3/4	40,731	3/4	25,498	3/4	10,110	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	86,390	8	71,002	8	55,614	8	40,419	8	25,177	8	9,790	8		8	8	8	8	8	8
1/4	86,070	1/4	70,682	1/4	55,294	1/4	40,106	1/4	24,857	1/4	9,469	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,749	1/2	70,361	1/2	54,973	1/2	39,794	1/2	24,536	1/2	9,149	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,429	3/4	70,041	3/4	54,653	3/4	39,482	3/4	24,216	3/4	8,828	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	85,108	9	69,720	9	54,332	9	39,169	9	23,895	9	8,508	9		9	9	9	9	9	9
1/4	84,788	1/4	69,400	1/4	54,012	1/4	38,857	1/4	23,574	1/4	8,187	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,467	1/2	69,079	1/2	53,691	1/2	38,544	1/2	23,254	1/2	7,866	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,146	3/4	68,758	3/4	53,370	3/4	38,232	3/4	22,933	3/4	7,546	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	83,826	10	68,438	10	53,050	10	37,920	10	22,613	10	7,225	10		10	10	10	10	10	10
1/4	83,505	1/4	68,117	1/4	52,729	1/4	37,607	1/4	22,292	1/4	6,905	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,185	1/2	67,797	1/2	52,409	1/2	37,295	1/2	21,972	1/2	6,584	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,864	3/4	67,476	3/4	52,088	3/4	36,982	3/4	21,651	3/4	6,264	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	82,543	11	67,155	11	51,768	11	36,669	11	21,330	11	5,943	11		11	11	11	11	11	11
1/4	82,223	1/4	66,835	1/4	51,447	1/4	36,356	1/4	21,010	1/4	5,623	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,902	1/2	66,514	1/2	51,126	1/2	36,043	1/2	20,689	1/2	5,302	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,582	3/4	66,194	3/4	50,806	3/4	35,730	3/4	20,369	3/4	4,982	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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BARGE "CBC 317"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-03 3/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.			
IN		IN		IN		IN		IN		IN		IN		IN		IN		IN		IN	
0		0		0		0	195,903	0	183,946	0	171,989	0	159,966	0	144,617	0	129,039	0	113,460		
1/4	1/4	1/4	206,554	1/4	195,654	1/4	183,697	1/4	171,740	1/4	159,706	1/4	144,292	1/4	128,715	1/4	113,136				
1/2	1/2	1/2	206,463	1/2	195,405	1/2	183,448	1/2	171,491	1/2	159,447	1/2	143,968	1/2	128,390	1/2	112,811				
3/4	3/4	3/4	206,373	3/4	195,156	3/4	183,199	3/4	171,242	3/4	159,187	3/4	143,643	3/4	128,065	3/4	112,487				
1		1	206,228	1	194,906	1	182,949	1	170,992	1	158,863	1	143,319	1	127,741	1	112,163				
1/4	1/4	1/4	206,083	1/4	194,657	1/4	182,700	1/4	170,743	1/4	158,539	1/4	142,994	1/4	127,416	1/4	111,838				
1/2	1/2	1/2	205,939	1/2	194,408	1/2	182,451	1/2	170,494	1/2	158,216	1/2	142,670	1/2	127,092	1/2	111,514				
3/4	3/4	3/4	205,794	3/4	194,159	3/4	182,202	3/4	170,244	3/4	157,892	3/4	142,345	3/4	126,767	3/4	111,190				
2		2	205,596	2	193,910	2	181,953	2	169,994	2	157,568	2	142,021	2	126,443	2	110,865				
1/4	1/4	1/4	205,398	1/4	193,661	1/4	181,704	1/4	169,743	1/4	157,244	1/4	141,696	1/4	126,118	1/4	110,541				
1/2	1/2	1/2	205,200	1/2	193,412	1/2	181,455	1/2	169,493	1/2	156,920	1/2	141,371	1/2	125,794	1/2	110,217				
3/4	3/4	3/4	205,003	3/4	193,163	3/4	181,206	3/4	169,243	3/4	156,597	3/4	141,047	3/4	125,469	3/4	109,893				
3		3	204,765	3	192,914	3	180,957	3	168,992	3	156,273	3	140,722	3	125,144	3	109,568				
1/4	1/4	1/4	204,527	1/4	192,665	1/4	180,708	1/4	168,742	1/4	155,949	1/4	140,398	1/4	124,820	1/4	109,244				
1/2	1/2	1/2	204,289	1/2	192,415	1/2	180,458	1/2	168,491	1/2	155,625	1/2	140,073	1/2	124,495	1/2	108,920				
3/4	3/4	3/4	204,051	3/4	192,166	3/4	180,209	3/4	168,241	3/4	155,301	3/4	139,749	3/4	124,171	3/4	108,595				
4		4	203,807	4	191,917	4	179,960	4	167,990	4	154,978	4	139,424	4	123,846	4	108,271				
1/4	1/4	1/4	203,563	1/4	191,668	1/4	179,711	1/4	167,740	1/4	154,654	1/4	139,100	1/4	123,522	1/4	107,947				
1/2	1/2	1/2	203,319	1/2	191,419	1/2	179,462	1/2	167,489	1/2	154,330	1/2	138,775	1/2	123,197	1/2	107,623				
3/4	3/4	3/4	203,076	3/4	191,170	3/4	179,213	3/4	167,239	3/4	154,006	3/4	138,451	3/4	122,873	3/4	107,299				
5		5	202,831	5	190,921	5	178,964	5	166,988	5	153,682	5	138,126	5	122,548	5	106,975				
1/4	1/4	1/4	202,586	1/4	190,672	1/4	178,715	1/4	166,738	1/4	153,359	1/4	137,802	1/4	122,223	1/4	106,652				
1/2	1/2	1/2	202,341	1/2	190,423	1/2	178,466	1/2	166,487	1/2	153,035	1/2	137,477	1/2	121,899	1/2	106,328				
3/4	3/4	3/4	202,096	3/4	190,174	3/4	178,216	3/4	166,237	3/4	152,711	3/4	137,153	3/4	121,574	3/4	106,005				
6		6	201,850	6	189,924	6	177,967	6	165,986	6	152,387	6	136,828	6	121,250	6	105,682				
1/4	1/4	1/4	201,604	1/4	189,675	1/4	177,718	1/4	165,736	1/4	152,064	1/4	136,504	1/4	120,925	1/4	105,358				
1/2	1/2	1/2	201,359	1/2	189,426	1/2	177,469	1/2	165,485	1/2	151,740	1/2	136,179	1/2	120,601	1/2	105,035				
3/4	3/4	3/4	201,113	3/4	189,177	3/4	177,220	3/4	165,235	3/4	151,416	3/4	135,855	3/4	120,276	3/4	104,711				
7		7	200,867	7	188,928	7	176,971	7	164,984	7	151,092	7	135,530	7	119,952	7	104,387				
1/4	1/4	1/4	200,621	1/4	188,679	1/4	176,722	1/4	164,734	1/4	150,769	1/4	135,205	1/4	119,627	1/4	104,064				
1/2	1/2	1/2	200,374	1/2	188,430	1/2	176,473	1/2	164,484	1/2	150,445	1/2	134,881	1/2	119,302	1/2	103,740				
3/4	3/4	3/4	200,128	3/4	188,181	3/4	176,223	3/4	164,233	3/4	150,121	3/4	134,556	3/4	118,978	3/4	103,416				
8		8	199,881	8	187,932	8	175,975	8	163,983	8	149,798	8	134,232	8	118,653	8	103,093				
1/4	1/4	1/4	199,635	1/4	187,682	1/4	175,725	1/4	163,732	1/4	149,474	1/4	133,907	1/4	118,329	1/4	102,769				
1/2	1/2	1/2	199,388	1/2	187,433	1/2	175,476	1/2	163,482	1/2	149,150	1/2	133,583	1/2	118,004	1/2	102,445				
3/4	3/4	3/4	199,141	3/4	187,184	3/4	175,227	3/4	163,231	3/4	148,826	3/4	133,258	3/4	117,680	3/4	102,121				
9		9	198,892	9	186,935	9	174,978	9	162,981	9	148,503	9	132,934	9	117,355	9	101,798				
1/4	1/4	1/4	198,643	1/4	186,686	1/4	174,729	1/4	162,730	1/4	148,179	1/4	132,609	1/4	117,031	1/4	101,474				
1/2	1/2	1/2	198,394	1/2	186,437	1/2	174,480	1/2	162,480	1/2	147,855	1/2	132,285	1/2	116,706	1/2	101,150				
3/4	3/4	3/4	198,145	3/4	186,188	3/4	174,231	3/4	162,229	3/4	147,531	3/4	131,960	3/4	116,381	3/4	100,827				
10		10	197,896	10	185,939	10	173,982	10	161,979	10	147,208	10	131,636	10	116,057	10	100,503				
1/4	1/4	1/4	197,647	1/4	185,690	1/4	173,733	1/4	161,728	1/4	146,884	1/4	131,311	1/4	115,732	1/4	100,179				
1/2	1/2	1/2	197,398	1/2	185,441	1/2	173,483	1/2	161,478	1/2	146,560	1/2	130,986	1/2	115,408	1/2	99,855				
3/4	3/4	3/4	197,148	3/4	185,191	3/4	173,234	3/4	161,227	3/4	146,237	3/4	130,662	3/4	115,083	3/4	99,532				
11		11	196,899	11	184,942	11	172,985	11	160,977	11	145,913	11	130,337	11	114,759	11	99,208				
1/4	1/4	1/4	196,650	1/4	184,693	1/4	172,736	1/4	160,726	1/4	145,589	1/4	130,013	1/4	114,434	1/4	98,884				
1/2	1/2	1/2	196,401	1/2	184,444	1/2	172,487	1/2	160,476	1/2	145,265	1/2	129,688	1/2	114,110	1/2	98,561				
3/4	3/4	3/4	196,152	3/4	184,195	3/4	172,238	3/4	160,225	3/4	144,941	3/4	129,364	3/4	113,785	3/4	98,237				

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "CBC 317"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-03 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	97,913	0	82,342	0	66,751	0	51,204	0	35,975	0	20,366	0	4,735	0		0		0	
1/4	97,589	1/4	82,017	1/4	66,427	1/4	50,887	1/4	35,650	1/4	20,040	1/4	4,410	1/4	1/4	1/4	1/4	1/4	1/4
1/2	97,266	1/2	81,692	1/2	66,102	1/2	50,570	1/2	35,326	1/2	19,715	1/2	4,085	1/2	1/2	1/2	1/2	1/2	1/2
3/4	96,942	3/4	81,368	3/4	65,777	3/4	50,253	3/4	35,001	3/4	19,389	3/4	3,760	3/4	3/4	3/4	3/4	3/4	3/4
1	96,618	1	81,043	1	65,452	1	49,936	1	34,676	1	19,063	1	3,441	1	1	1	1	1	1
1/4	96,295	1/4	80,718	1/4	65,128	1/4	49,620	1/4	34,352	1/4	18,738	1/4	3,122	1/4	1/4	1/4	1/4	1/4	1/4
1/2	95,971	1/2	80,393	1/2	64,803	1/2	49,303	1/2	34,027	1/2	18,412	1/2	2,802	1/2	1/2	1/2	1/2	1/2	1/2
3/4	95,647	3/4	80,068	3/4	64,478	3/4	48,986	3/4	33,702	3/4	18,086	3/4	2,483	3/4	3/4	3/4	3/4	3/4	3/4
2	95,323	2	79,743	2	64,153	2	48,670	2	33,378	2	17,761	2	2,209	2	2	2	2	2	2
1/4	95,000	1/4	79,419	1/4	63,828	1/4	48,353	1/4	33,053	1/4	17,435	1/4	1,934	1/4	1/4	1/4	1/4	1/4	1/4
1/2	94,676	1/2	79,094	1/2	63,504	1/2	48,037	1/2	32,728	1/2	17,109	1/2	1,659	1/2	1/2	1/2	1/2	1/2	1/2
3/4	94,352	3/4	78,769	3/4	63,179	3/4	47,720	3/4	32,404	3/4	16,784	3/4	1,384	3/4	3/4	3/4	3/4	3/4	3/4
3	94,028	3	78,444	3	62,854	3	47,404	3	32,079	3	16,458	3	1,191	3	3	3	3	3	3
1/4	93,705	1/4	78,119	1/4	62,529	1/4	47,088	1/4	31,754	1/4	16,132	1/4	998	1/4	1/4	1/4	1/4	1/4	1/4
1/2	93,381	1/2	77,795	1/2	62,204	1/2	46,771	1/2	31,430	1/2	15,807	1/2	804	1/2	1/2	1/2	1/2	1/2	1/2
3/4	93,057	3/4	77,470	3/4	61,879	3/4	46,455	3/4	31,105	3/4	15,481	3/4	611	3/4	3/4	3/4	3/4	3/4	3/4
4	92,733	4	77,145	4	61,555	4	46,139	4	30,780	4	15,155	4		4	4	4	4	4	4
1/4	92,410	1/4	76,820	1/4	61,230	1/4	45,823	1/4	30,456	1/4	14,830	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	92,086	1/2	76,495	1/2	60,905	1/2	45,506	1/2	30,131	1/2	14,504	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	91,762	3/4	76,170	3/4	60,580	3/4	45,190	3/4	29,807	3/4	14,178	3/4		3/4	3/4	3/4	3/4	3/4	3/4
5	91,437	5	75,846	5	60,255	5	44,874	5	29,482	5	13,853	5	5	5	5	5	5	5	5
1/4	91,112	1/4	75,521	1/4	59,930	1/4	44,558	1/4	29,157	1/4	13,527	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	90,787	1/2	75,196	1/2	59,606	1/2	44,241	1/2	28,832	1/2	13,201	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	90,463	3/4	74,871	3/4	59,281	3/4	43,925	3/4	28,507	3/4	12,876	3/4		3/4	3/4	3/4	3/4	3/4	3/4
6	90,138	6	74,546	6	58,956	6	43,609	6	28,182	6	12,550	6	6	6	6	6	6	6	6
1/4	89,813	1/4	74,222	1/4	58,631	1/4	43,293	1/4	27,856	1/4	12,224	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	89,488	1/2	73,897	1/2	58,306	1/2	42,977	1/2	27,530	1/2	11,899	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	89,163	3/4	73,572	3/4	57,982	3/4	42,660	3/4	27,205	3/4	11,573	3/4		3/4	3/4	3/4	3/4	3/4	3/4
7	88,839	7	73,247	7	57,657	7	42,344	7	26,879	7	11,247	7	7	7	7	7	7	7	7
1/4	88,514	1/4	72,922	1/4	57,332	1/4	42,028	1/4	26,553	1/4	10,922	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	88,189	1/2	72,597	1/2	57,007	1/2	41,712	1/2	26,228	1/2	10,596	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	87,864	3/4	72,273	3/4	56,682	3/4	41,395	3/4	25,902	3/4	10,270	3/4		3/4	3/4	3/4	3/4	3/4	3/4
8	87,539	8	71,948	8	56,357	8	41,079	8	25,576	8	9,945	8	8	8	8	8	8	8	8
1/4	87,214	1/4	71,623	1/4	56,033	1/4	40,763	1/4	25,251	1/4	9,619	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	86,890	1/2	71,298	1/2	55,708	1/2	40,447	1/2	24,925	1/2	9,293	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	86,565	3/4	70,973	3/4	55,383	3/4	40,131	3/4	24,600	3/4	8,968	3/4		3/4	3/4	3/4	3/4	3/4	3/4
9	86,240	9	70,648	9	55,058	9	39,814	9	24,274	9	8,642	9	9	9	9	9	9	9	9
1/4	85,915	1/4	70,324	1/4	54,733	1/4	39,498	1/4	23,948	1/4	8,317	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,590	1/2	69,999	1/2	54,409	1/2	39,182	1/2	23,623	1/2	7,991	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,265	3/4	69,674	3/4	54,084	3/4	38,866	3/4	23,297	3/4	7,665	3/4		3/4	3/4	3/4	3/4	3/4	3/4
10	84,941	10	69,349	10	53,760	10	38,549	10	22,971	10	7,340	10	10	10	10	10	10	10	10
1/4	84,616	1/4	69,024	1/4	53,436	1/4	38,232	1/4	22,646	1/4	7,014	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,291	1/2	68,700	1/2	53,112	1/2	37,915	1/2	22,320	1/2	6,688	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,966	3/4	68,375	3/4	52,788	3/4	37,598	3/4	21,994	3/4	6,363	3/4		3/4	3/4	3/4	3/4	3/4	3/4
11	83,641	11	68,050	11	52,471	11	37,273	11	21,669	11	6,037	11	11	11	11	11	11	11	11
1/4	83,317	1/4	67,725	1/4	52,154	1/4	36,949	1/4	21,343	1/4	5,711	1/4		1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,992	1/2	67,401	1/2	51,837	1/2	36,624	1/2	21,017	1/2	5,386	1/2		1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,667	3/4	67,076	3/4	51,521	3/4	36,300	3/4	20,692	3/4	5,060	3/4		3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/04/2013 SW
CALCULATED: 12/06/2013 CL
PRINTED: 12/06/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2013

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "CBC 317"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0		0	196,075	0	184,118	0	172,161	0	160,150	0	144,939	0	129,362	0	113,784
1/4	1/4	1/4	1/4	1/4	1/4	1/4	195,826	1/4	183,869	1/4	171,912	1/4	159,900	1/4	144,615	1/4	129,038	1/4	113,459
1/2	1/2	1/2	1/2	1/2	1/2	1/2	195,577	1/2	183,620	1/2	171,663	1/2	159,640	1/2	144,291	1/2	128,713	1/2	113,135
3/4	3/4	3/4	3/4	3/4	3/4	3/4	206,228	3/4	195,328	3/4	183,371	3/4	171,414	3/4	159,380	3/4	143,966	3/4	128,810
1		1		1		1	206,137	1	195,079	1	183,122	1	171,165	1	159,121	1	143,642	1	128,064
1/4	1/4	1/4	1/4	1/4	1/4	1/4	206,047	1/4	194,830	1/4	182,873	1/4	170,916	1/4	158,861	1/4	143,317	1/4	127,740
1/2	1/2	1/2	1/2	1/2	1/2	1/2	205,902	1/2	194,581	1/2	182,624	1/2	170,666	1/2	158,537	1/2	142,993	1/2	127,415
3/4	3/4	3/4	3/4	3/4	3/4	3/4	205,758	3/4	194,332	3/4	182,375	3/4	170,417	3/4	158,214	3/4	142,668	3/4	127,091
2		2		2		2	205,613	2	194,082	2	182,125	2	170,168	2	157,890	2	142,344	2	126,766
1/4	1/4	1/4	1/4	1/4	1/4	1/4	205,468	1/4	193,833	1/4	181,876	1/4	169,919	1/4	157,566	1/4	142,019	1/4	126,441
1/2	1/2	1/2	1/2	1/2	1/2	1/2	205,270	1/2	193,584	1/2	181,627	1/2	169,668	1/2	157,242	1/2	141,695	1/2	126,117
3/4	3/4	3/4	3/4	3/4	3/4	3/4	205,072	3/4	193,335	3/4	181,378	3/4	169,418	3/4	156,918	3/4	141,370	3/4	125,792
3		3		3		3	204,875	3	193,086	3	181,129	3	169,167	3	156,595	3	141,046	3	125,468
1/4	1/4	1/4	1/4	1/4	1/4	1/4	204,677	1/4	192,837	1/4	180,880	1/4	168,917	1/4	156,271	1/4	140,721	1/4	125,143
1/2	1/2	1/2	1/2	1/2	1/2	1/2	204,439	1/2	192,588	1/2	180,631	1/2	168,666	1/2	155,947	1/2	140,397	1/2	124,819
3/4	3/4	3/4	3/4	3/4	3/4	3/4	204,201	3/4	192,339	3/4	180,382	3/4	168,416	3/4	155,623	3/4	140,072	3/4	124,494
4		4		4		4	203,963	4	192,090	4	180,133	4	168,165	4	155,299	4	139,748	4	124,170
1/4	1/4	1/4	1/4	1/4	1/4	1/4	203,725	1/4	191,841	1/4	179,884	1/4	167,915	1/4	154,976	1/4	139,423	1/4	123,845
1/2	1/2	1/2	1/2	1/2	1/2	1/2	203,481	1/2	191,591	1/2	179,634	1/2	167,664	1/2	154,652	1/2	139,099	1/2	123,520
3/4	3/4	3/4	3/4	3/4	3/4	3/4	203,237	3/4	191,342	3/4	179,385	3/4	167,414	3/4	154,328	3/4	138,774	3/4	123,196
5		5		5		5	202,994	5	191,093	5	179,136	5	167,163	5	154,004	5	138,449	5	122,871
1/4	1/4	1/4	1/4	1/4	1/4	1/4	202,750	1/4	190,844	1/4	178,887	1/4	166,913	1/4	153,680	1/4	138,125	1/4	122,547
1/2	1/2	1/2	1/2	1/2	1/2	1/2	202,505	1/2	190,595	1/2	178,638	1/2	166,662	1/2	153,357	1/2	137,800	1/2	122,222
3/4	3/4	3/4	3/4	3/4	3/4	3/4	202,260	3/4	190,346	3/4	178,389	3/4	166,412	3/4	153,033	3/4	137,476	3/4	121,898
6		6		6		6	202,015	6	190,097	6	178,140	6	166,162	6	152,709	6	137,151	6	121,573
1/4	1/4	1/4	1/4	1/4	1/4	1/4	201,770	1/4	189,848	1/4	177,891	1/4	165,911	1/4	152,385	1/4	136,827	1/4	121,249
1/2	1/2	1/2	1/2	1/2	1/2	1/2	201,524	1/2	189,599	1/2	177,642	1/2	165,661	1/2	152,062	1/2	136,502	1/2	120,924
3/4	3/4	3/4	3/4	3/4	3/4	3/4	201,279	3/4	189,350	3/4	177,392	3/4	165,410	3/4	151,738	3/4	136,178	3/4	120,599
7		7		7		7	201,033	7	189,100	7	177,143	7	165,160	7	151,414	7	135,853	7	120,275
1/4	1/4	1/4	1/4	1/4	1/4	1/4	200,787	1/4	188,851	1/4	176,894	1/4	164,909	1/4	151,090	1/4	135,529	1/4	119,950
1/2	1/2	1/2	1/2	1/2	1/2	1/2	200,541	1/2	188,602	1/2	176,645	1/2	164,659	1/2	150,767	1/2	135,204	1/2	119,626
3/4	3/4	3/4	3/4	3/4	3/4	3/4	200,295	3/4	188,353	3/4	176,396	3/4	164,408	3/4	150,443	3/4	134,880	3/4	119,301
8		8		8		8	200,049	8	188,104	8	176,147	8	164,158	8	150,119	8	134,555	8	118,977
1/4	1/4	1/4	1/4	1/4	1/4	1/4	199,802	1/4	187,855	1/4	175,898	1/4	163,907	1/4	149,796	1/4	134,231	1/4	118,652
1/2	1/2	1/2	1/2	1/2	1/2	1/2	199,556	1/2	187,606	1/2	175,649	1/2	163,657	1/2	149,472	1/2	133,906	1/2	118,328
3/4	3/4	3/4	3/4	3/4	3/4	3/4	199,309	3/4	187,357	3/4	175,400	3/4	163,406	3/4	149,148	3/4	133,582	3/4	118,003
9		9		9		9	199,062	9	187,108	9	175,151	9	163,156	9	148,824	9	133,257	9	117,678
1/4	1/4	1/4	1/4	1/4	1/4	1/4	198,815	1/4	186,858	1/4	174,901	1/4	162,905	1/4	148,501	1/4	132,933	1/4	117,354
1/2	1/2	1/2	1/2	1/2	1/2	1/2	198,566	1/2	186,609	1/2	174,652	1/2	162,655	1/2	148,177	1/2	132,608	1/2	117,029
3/4	3/4	3/4	3/4	3/4	3/4	3/4	198,317	3/4	186,360	3/4	174,403	3/4	162,404	3/4	147,853	3/4	132,283	3/4	116,705
10		10		10		10	198,068	10	186,111	10	174,154	10	162,154	10	147,529	10	131,959	10	116,380
1/4	1/4	1/4	1/4	1/4	1/4	1/4	197,819	1/4	185,862	1/4	173,905	1/4	161,903	1/4	147,206	1/4	131,634	1/4	116,056
1/2	1/2	1/2	1/2	1/2	1/2	1/2	197,570	1/2	185,613	1/2	173,656	1/2	161,653	1/2	146,882	1/2	131,310	1/2	115,731
3/4	3/4	3/4	3/4	3/4	3/4	3/4	197,321	3/4	185,364	3/4	173,407	3/4	161,403	3/4	146,558	3/4	130,985	3/4	115,407
11		11		11		11	197,072	11	185,115	11	173,158	11	161,152	11	146,234	11	130,661	11	115,082
1/4	1/4	1/4	1/4	1/4	1/4	1/4	196,823	1/4	184,866	1/4	172,909	1/4	160,902	1/4	145,911	1/4	130,336	1/4	114,757
1/2	1/2	1/2	1/2	1/2	1/2	1/2	196,574	1/2	184,617	1/2	172,659	1/2	160,651	1/2	145,587	1/2	130,012	1/2	114,433
3/4	3/4	3/4	3/4	3/4	3/4	3/4	196,324	3/4	184,367	3/4	172,410	3/4	160,401	3/4	145,263	3/4	129,687	3/4	114,108

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO THREADS ON "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED 11'-00" OFF CENTERLINE AND 44'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "CBC 317"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-04 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	98,235	0	82,666	0	67,075	0	51,533	0	36,623	0	21,017	0	5,386	0		0		0	
1/4	97,911	1/4	82,341	1/4	66,750	1/4	51,222	1/4	36,300	1/4	20,692	1/4	5,060	1/4		1/4		1/4	
1/2	97,587	1/2	82,016	1/2	66,426	1/2	50,912	1/2	35,975	1/2	20,366	1/2	4,735	1/2		1/2		1/2	
3/4	97,264	3/4	81,691	3/4	66,101	3/4	50,601	3/4	35,650	3/4	20,040	3/4	4,410	3/4		3/4		3/4	
1	96,940	1	81,367	1	65,776	1	50,290	1	35,326	1	19,715	1	4,085	1		1		1	
1/4	96,616	1/4	81,042	1/4	65,451	1/4	49,979	1/4	35,001	1/4	19,389	1/4	3,760	1/4		1/4		1/4	
1/2	96,292	1/2	80,717	1/2	65,127	1/2	49,669	1/2	34,676	1/2	19,063	1/2	3,441	1/2		1/2		1/2	
3/4	95,969	3/4	80,392	3/4	64,802	3/4	49,359	3/4	34,352	3/4	18,738	3/4	3,122	3/4		3/4		3/4	
2	95,645	2	80,067	2	64,477	2	49,048	2	34,027	2	18,412	2	2,802	2		2		2	
1/4	95,321	1/4	79,743	1/4	64,152	1/4	48,738	1/4	33,702	1/4	18,086	1/4	2,483	1/4		1/4		1/4	
1/2	94,998	1/2	79,418	1/2	63,827	1/2	48,428	1/2	33,378	1/2	17,761	1/2	2,209	1/2		1/2		1/2	
3/4	94,674	3/4	79,093	3/4	63,503	3/4	48,119	3/4	33,053	3/4	17,435	3/4	1,934	3/4		3/4		3/4	
3	94,350	3	78,768	3	63,178	3	47,809	3	32,728	3	17,109	3	1,659	3		3		3	
1/4	94,026	1/4	78,443	1/4	62,853	1/4	47,499	1/4	32,404	1/4	16,784	1/4	1,384	1/4		1/4		1/4	
1/2	93,703	1/2	78,118	1/2	62,528	1/2	47,190	1/2	32,079	1/2	16,458	1/2	1,191	1/2		1/2		1/2	
3/4	93,379	3/4	77,794	3/4	62,203	3/4	46,880	3/4	31,754	3/4	16,132	3/4	998	3/4		3/4		3/4	
4	93,055	4	77,469	4	61,878	4	46,571	4	31,430	4	15,807	4	804	4		4		4	
1/4	92,732	1/4	77,144	1/4	61,554	1/4	46,262	1/4	31,105	1/4	15,481	1/4	611	1/4		1/4		1/4	
1/2	92,408	1/2	76,819	1/2	61,229	1/2	45,952	1/2	30,780	1/2	15,155	1/2		1/2		1/2		1/2	
3/4	92,084	3/4	76,494	3/4	60,904	3/4	45,643	3/4	30,456	3/4	14,830	3/4		3/4		3/4		3/4	
5	91,760	5	76,169	5	60,579	5	45,334	5	30,131	5	14,504	5		5		5		5	
1/4	91,436	1/4	75,845	1/4	60,254	1/4	45,025	1/4	29,807	1/4	14,178	1/4		1/4		1/4		1/4	
1/2	91,111	1/2	75,520	1/2	59,930	1/2	44,715	1/2	29,482	1/2	13,853	1/2		1/2		1/2		1/2	
3/4	90,786	3/4	75,195	3/4	59,605	3/4	44,406	3/4	29,157	3/4	13,527	3/4		3/4		3/4		3/4	
6	90,462	6	74,870	6	59,280	6	44,097	6	28,832	6	13,201	6		6		6		6	
1/4	90,137	1/4	74,545	1/4	58,955	1/4	43,787	1/4	28,507	1/4	12,876	1/4		1/4		1/4		1/4	
1/2	89,812	1/2	74,221	1/2	58,630	1/2	43,478	1/2	28,182	1/2	12,550	1/2		1/2		1/2		1/2	
3/4	89,487	3/4	73,896	3/4	58,305	3/4	43,169	3/4	27,856	3/4	12,224	3/4		3/4		3/4		3/4	
7	89,162	7	73,571	7	57,981	7	42,859	7	27,530	7	11,899	7		7		7		7	
1/4	88,838	1/4	73,246	1/4	57,656	1/4	42,550	1/4	27,205	1/4	11,573	1/4		1/4		1/4		1/4	
1/2	88,513	1/2	72,921	1/2	57,331	1/2	42,241	1/2	26,879	1/2	11,247	1/2		1/2		1/2		1/2	
3/4	88,188	3/4	72,596	3/4	57,006	3/4	41,931	3/4	26,553	3/4	10,922	3/4		3/4		3/4		3/4	
8	87,863	8	72,272	8	56,681	8	41,622	8	26,228	8	10,596	8		8		8		8	
1/4	87,538	1/4	71,947	1/4	56,356	1/4	41,313	1/4	25,902	1/4	10,270	1/4		1/4		1/4		1/4	
1/2	87,213	1/2	71,622	1/2	56,032	1/2	41,004	1/2	25,576	1/2	9,945	1/2		1/2		1/2		1/2	
3/4	86,889	3/4	71,297	3/4	55,707	3/4	40,694	3/4	25,251	3/4	9,619	3/4		3/4		3/4		3/4	
9	86,564	9	70,972	9	55,382	9	40,385	9	24,925	9	9,293	9		9		9		9	
1/4	86,239	1/4	70,647	1/4	55,057	1/4	40,076	1/4	24,600	1/4	8,968	1/4		1/4		1/4		1/4	
1/2	85,914	1/2	70,323	1/2	54,732	1/2	39,766	1/2	24,274	1/2	8,642	1/2		1/2		1/2		1/2	
3/4	85,589	3/4	69,998	3/4	54,408	3/4	39,457	3/4	23,948	3/4	8,317	3/4		3/4		3/4		3/4	
10	85,265	10	69,673	10	54,083	10	39,148	10	23,623	10	7,991	10		10		10		10	
1/4	84,940	1/4	69,348	1/4	53,758	1/4	38,839	1/4	23,297	1/4	7,665	1/4		1/4		1/4		1/4	
1/2	84,615	1/2	69,023	1/2	53,435	1/2	38,528	1/2	22,971	1/2	7,340	1/2		1/2		1/2		1/2	
3/4	84,290	3/4	68,699	3/4	53,112	3/4	38,217	3/4	22,646	3/4	7,014	3/4		3/4		3/4		3/4	
11	83,965	11	68,374	11	52,789	11	37,906	11	22,320	11	6,688	11		11		11		11	
1/4	83,640	1/4	68,049	1/4	52,466	1/4	37,595	1/4	21,994	1/4	6,363	1/4		1/4		1/4		1/4	
1/2	83,316	1/2	67,724	1/2	52,155	1/2	37,271	1/2	21,669	1/2	6,037	1/2		1/2		1/2		1/2	
3/4	82,991	3/4	67,400	3/4	51,844	3/4	36,947	3/4	21,343	3/4	5,711	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 12/04/2013 SW
CALCULATED: 12/06/2013 CL
PRINTED: 12/06/2013 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 12/2013

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