

SIMPLE OPTIONS PRICING MODEL (SIMPLE OPM)

Call		C = S-X		
BA Stock Price (Initial)	S ₁	258.01		<-- S > X, ∴ "in the money"
BA Stock Price (Terminal)	S ₂	283.81	<-- =258.01*0.1+258.01	<-- stock goes up by 10%
moneyness		0.51	<-- =D4-D8	
Strike (Exercise Price)	X	257.5	<-- ='Calls - 11.17.17'!C30	
Ask Price	P	4.25	<-- ='Calls - 11.17.17'!F30	<-- at 4.25 ask price
Profit		22.06	<-- =MAX(D5-D8-D10,0)	

Call		At 100 shares	
		51	<-- =0.51*100
		2631	<-- =(283.81-257.5)*100
		425	<-- =4.25*100
Profit		2206	<-- =MAX(H7-H10,0)

Put		P = X-S		
BA Stock Price (Initial)	S ₁	258.01		
BA Stock Price (Terminal)	S ₂	245.11	<-- =258.01*(-0.05)+258.01	<-- stock goes down by 5%
moneyness		1.99		<-- X > S, ∴ "in the money"
Strike (Exercise Price)	X	260	<-- ='Puts - 11.17.17'!C38	
Ask Price	P	5.7	<-- ='Puts - 11.17.17'!F38	<-- at 4.4 ask price
Profit		9.19	<-- =MAX(D19-D16-D21,0)	

Put		At 100 shares	
		199	<-- =-1.99*100
		1489	<-- =(260-245.11)*100
		570	<-- =5.70*100
Profit		919	<-- =MAX(H18-H21,0)

Contract Name	Last Trade Date	Strike	Last Price	Bid	Ask	Change	% Change	Volume	Open Interest	Implied Volatility	Stock Price as of 11.1.17	Variance
BA171117C00130000	2017-08-08 3:10PM EDT	130	109.48	134.45	136.15	0	-	9	0	288.04%	258.01	128.01 <-- = \$L\$2-C2
BA171117C00140000	2017-09-05 3:24PM EDT	140	97.75	124.45	126.15	0	-	12	12	262.72%		118.01 <-- = \$L\$2-C3
BA171117C00145000	2017-08-08 2:18PM EDT	145	94.35	119.4	120.75	0	-	6	0	248.07%		113.01 <-- = \$L\$2-C4
BA171117C00150000	2017-10-03 11:59AM EDT	150	107	114.55	116	0	-	2	30	238.84%		108.01 <-- = \$L\$2-C5
BA171117C00155000	2017-08-09 9:54AM EDT	155	82	109.5	110.4	0	-	2	2	224.05%		103.01 <-- = \$L\$2-C6
BA171117C00160000	2017-08-08 2:25PM EDT	160	79.25	104.5	105.45	0	-	226	0	213.55%		98.01 <-- = \$L\$2-C7
BA171117C00165000	2017-10-24 3:59PM EDT	165	101.5	90.5	92.8	0	-	4	30	0.00%		93.01 <-- = \$L\$2-C8
BA171117C00170000	2017-10-31 2:02PM EDT	170	87.96	88.15	90.4	0	-	1	35	113.48%		88.01 <-- = \$L\$2-C9
BA171117C00175000	2017-09-26 2:00PM EDT	175	79.55	89.45	91.05	0	-	2	7	185.57%		83.01 <-- = \$L\$2-C10
BA171117C00180000	2017-10-25 11:56AM EDT	180	78.15	75.75	78.65	0	-	1	7	76.95%		78.01 <-- = \$L\$2-C11
BA171117C00185000	2017-10-20 10:49AM EDT	185	76.5	79.4	82.25	5.86	8.30%	4	21	171.15%		73.01 <-- = \$L\$2-C12
BA171117C00190000	2017-11-01 11:26AM EDT	190	67.23	68.15	69.8	-4.97	-6.88%	1	127	79.83%		68.01 <-- = \$L\$2-C13
BA171117C00195000	2017-11-01 10:29AM EDT	195	63.47	63.25	63.95	-0.26	-0.41%	23	391	58.40%		63.01 <-- = \$L\$2-C14
BA171117C00200000	2017-10-31 2:04PM EDT	200	57.9	58.15	59.4	0	-	1	634	62.31%		58.01 <-- = \$L\$2-C15
BA171117C00205000	2017-10-26 9:30AM EDT	205	54.77	50.85	53.25	0	-	1	13	0.00%		53.01 <-- = \$L\$2-C16
BA171117C00210000	2017-10-31 10:12AM EDT	210	49.5	48.25	48.95	0	-	17	519	56.79%		48.01 <-- = \$L\$2-C17
BA171117C00215000	2017-10-25 11:12AM EDT	215	46.7	40.8	42.8	0	-	3	20	0.00%		43.01 <-- = \$L\$2-C18
BA171117C00220000	2017-11-01 3:40PM EDT	220	38.6	38.2	39.5	0.05	0.13%	4	686	54.93%		38.01 <-- = \$L\$2-C19
BA171117C00225000	2017-10-25 11:47AM EDT	225	34.83	31.15	32.3	0	-	8	73	0.00%		33.01 <-- = \$L\$2-C20
BA171117C00230000	2017-11-01 3:26PM EDT	230	28.3	28.3	29.4	0.2	0.71%	8	527	41.77%		28.01 <-- = \$L\$2-C21
BA171117C00235000	2017-11-01 2:46PM EDT	235	23.08	23.4	23.9	-0.4	-1.70%	17	524	29.42%		23.01 <-- = \$L\$2-C22
BA171117C00240000	2017-11-01 3:27PM EDT	240	18.5	18.4	19.05	-0.3	-1.60%	18	1,429	26.15%		18.01 <-- = \$L\$2-C23
BA171117C00242500	2017-10-27 11:48PM EDT	242.5	17.2	13.9	14.9	0	-	4	11	0.00%		15.51 <-- = \$L\$2-C24
BA171117C00245000	2017-11-01 3:15PM EDT	245	13.69	13.8	14.45	0.24	1.78%	32	1,671	24.20%		13.01 <-- = \$L\$2-C25
BA171117C00247500	2017-10-31 10:38AM EDT	247.5	12	11.5	11.9	0	-	21	77	20.63%		10.51 <-- = \$L\$2-C26
BA171117C00250000	2017-11-01 3:41PM EDT	250	9.55	9.4	9.7	0.1	1.06%	46	2,180	19.46%		8.01 <-- = \$L\$2-C27
BA171117C00252500	2017-11-01 3:27PM EDT	252.5	7.3	7.35	7.75	0	-	26	64	19.04%		5.51 <-- = \$L\$2-C28
BA171117C00255000	2017-11-01 3:42PM EDT	255	5.8	5.45	5.85	0.55	10.48%	192	1,752	17.95%		3.01 <-- = \$L\$2-C29
BA171117C00257500	2017-11-01 3:53PM EDT	257.5	4.1	4.05	4.25	0.2	5.13%	75	693	17.30%		0.51 <-- = \$L\$2-C30
BA171117C00260000	2017-11-01 3:59PM EDT	260	2.9	2.76	3	0.1	3.57%	237	3,450	17.09%		-1.99 <-- = \$L\$2-C31
BA171117C00262500	2017-11-01 3:42PM EDT	262.5	2	1.88	2.01	0.2	11.11%	150	427	16.86%		-4.49 <-- = \$L\$2-C32
BA171117C00265000	2017-11-01 3:42PM EDT	265	1.3	1.2	1.31	0.09	7.44%	241	2,738	16.85%		-6.99 <-- = \$L\$2-C33
BA171117C00267500	2017-11-01 2:35PM EDT	267.5	0.71	0.68	0.79	0	-	26	591	16.65%		-9.49 <-- = \$L\$2-C34
BA171117C00270000	2017-11-01 3:41PM EDT	270	0.49	0.38	0.51	-0.02	-3.92%	27	1,996	17.07%		-11.99 <-- = \$L\$2-C35
BA171117C00272500	2017-11-01 2:35PM EDT	272.5	0.3	0.22	0.31	-0.03	-9.09%	8	545	17.29%		-14.49 <-- = \$L\$2-C36
BA171117C00275000	2017-11-01 3:35PM EDT	275	0.18	0.12	0.21	0.02	12.50%	22	2,005	17.97%		-16.99 <-- = \$L\$2-C37
BA171117C00277500	2017-11-01 10:13AM EDT	277.5	0.11	0.06	0.15	-0.01	-8.33%	4	190	18.80%		-19.49 <-- = \$L\$2-C38
BA171117C00280000	2017-11-01 3:44PM EDT	280	0.12	0	0.15	0.04	50.00%	29	2,169	20.70%		-21.99 <-- = \$L\$2-C39
BA171117C00282500	2017-11-01 2:14PM EDT	282.5	0.07	0	0.14	0	-	7	111	22.32%		-24.49 <-- = \$L\$2-C40
BA171117C00285000	2017-11-01 3:44PM EDT	285	0.05	0	0.1	0.01	25.00%	3	613	22.85%		-26.99 <-- = \$L\$2-C41
BA171117C00287500	2017-11-01 3:56PM EDT	287.5	0.06	0	0.09	0.01	20.00%	1	53	24.22%		-29.49 <-- = \$L\$2-C42
BA171117C00290000	2017-10-31 12:38PM EDT	290	0.06	0.03	0.08	0	-	1	502	25.44%		-31.99 <-- = \$L\$2-C43
BA171117C00295000	2017-10-31 3:35PM EDT	295	0.05	0	0.07	0	-	10	530	28.13%		-36.99 <-- = \$L\$2-C44
BA171117C00300000	2017-10-27 12:06PM EDT	300	0.01	0	0.06	-0.01	-50.00%	31	871	30.57%		-41.99 <-- = \$L\$2-C45
BA171117C00305000	2017-10-27 3:36PM EDT	305	0.03	0	0.06	0	-	8	35	33.40%		-46.99 <-- = \$L\$2-C46
BA171117C00310000	2017-10-26 2:06PM EDT	310	0.03	0	0.06	0	-	5	138	36.33%		-51.99 <-- = \$L\$2-C47
BA171117C00325000	2017-08-11 5:13PM EDT	325	0.04	0	0.11	0	-	425	425	47.85%		-66.99 <-- = \$L\$2-C48
BA171117C00330000	2017-10-17 10:49AM EDT	330	0.02	0	0.06	0	-	2	501	46.88%		-71.99 <-- = \$L\$2-C49

Contract Name	Last Trade Date	Strike	Last Price	Bid	Ask	Change	% Change	Volume	Open Interest	Implied Volatility	Stock Price as of 11.1.17	Variance
BA171117P00110000	2017-10-17 10:49AM EDT	110	0.02	0	0.06	0	-	2	488	142.19%	258.01	-148.01 <-- =C2-\$LS2
BA171117P00115000	2017-09-26 9:40AM EDT	115	0.01	0	0.06	0	-	22	56	135.16%		-143.01 <-- =C3-\$LS2
BA171117P00120000	2017-09-15 11:37AM EDT	120	0.03	0	0.05	0	-	5	424	126.56%		-138.01 <-- =C4-\$LS2
BA171117P00125000	2017-10-16 10:15AM EDT	125	0.01	0	0.01	-0.01	-50.00%	10	327	106.25%		-133.01 <-- =C5-\$LS2
BA171117P00130000	2017-10-09 9:39AM EDT	130	0.01	0	0.01	0	-	1	365	98.44%		-128.01 <-- =C6-\$LS2
BA171117P00135000	2017-10-19 10:45AM EDT	135	0.01	0	0.01	0	-	3	889	93.75%		-123.01 <-- =C7-\$LS2
BA171117P00140000	2017-10-25 11:58AM EDT	140	0.01	0	0.01	0	-	25	2,644	90.63%		-118.01 <-- =C8-\$LS2
BA171117P00145000	2017-10-30 2:19PM EDT	145	0.01	0	0.01	-0.01	-50.00%	10	1,366	84.38%		-113.01 <-- =C9-\$LS2
BA171117P00150000	2017-10-27 11:39AM EDT	150	0.01	0	0.01	0	-	4	3,097	79.69%		-108.01 <-- =C10-\$LS2
BA171117P00155000	2017-10-25 10:37AM EDT	155	0.02	0	0.01	0	-	20	2,058	75.00%		-103.01 <-- =C11-\$LS2
BA171117P00160000	2017-10-26 10:34AM EDT	160	0.02	0	0.01	0	-	1	1,132	71.88%		-98.01 <-- =C12-\$LS2
BA171117P00165000	2017-10-27 10:12AM EDT	165	0.01	0.01	0.02	-0.03	-75.00%	5	1,213	72.66%		-93.01 <-- =C13-\$LS2
BA171117P00170000	2017-11-01 11:52AM EDT	170	0.01	0.01	0.06	-0.02	-66.67%	35	619	74.22%		-88.01 <-- =C14-\$LS2
BA171117P00175000	2017-10-26 3:01PM EDT	175	0.05	0	0.05	0	-	21	728	67.19%		-83.01 <-- =C15-\$LS2
BA171117P00180000	2017-10-27 10:43AM EDT	180	0.03	0	0.07	0.02	200.00%	5	893	64.84%		-78.01 <-- =C16-\$LS2
BA171117P00185000	2017-11-01 11:09AM EDT	185	0.03	0.03	0.05	-0.04	-57.14%	2	1,023	61.33%		-73.01 <-- =C17-\$LS2
BA171117P00190000	2017-11-01 12:33PM EDT	190	0.04	0.03	0.07	-0.02	-33.33%	20	786	58.20%		-68.01 <-- =C18-\$LS2
BA171117P00195000	2017-10-26 3:30PM EDT	195	0.08	0.04	0.13	0	-	1	782	57.23%		-63.01 <-- =C19-\$LS2
BA171117P00200000	2017-11-01 10:29AM EDT	200	0.07	0.05	0.1	-0.02	-22.22%	20	1,487	51.86%		-58.01 <-- =C20-\$LS2
BA171117P00205000	2017-10-25 9:51AM EDT	205	0.15	0	0.2	0	-	1	707	54.30%		-53.01 <-- =C21-\$LS2
BA171117P00210000	2017-11-01 10:29AM EDT	210	0.13	0.06	0.12	0.01	8.33%	13	1,068	45.80%		-48.01 <-- =C22-\$LS2
BA171117P00215000	2017-10-30 3:51PM EDT	215	0.13	0.11	0.19	0	-	11	556	44.24%		-43.01 <-- =C23-\$LS2
BA171117P00220000	2017-10-30 2:33PM EDT	220	0.18	0.15	0.22	-0.01	-5.26%	122	1,550	40.43%		-38.01 <-- =C24-\$LS2
BA171117P00225000	2017-11-01 9:45AM EDT	225	0.2	0.18	0.24	-0.01	-4.76%	1	1,542	36.18%		-33.01 <-- =C25-\$LS2
BA171117P00230000	2017-11-01 2:38PM EDT	230	0.34	0.25	0.33	0.03	9.68%	17	2,028	33.30%		-28.01 <-- =C26-\$LS2
BA171117P00232500	2017-10-31 3:44PM EDT	232.5	0.37	0.29	0.4	0	-	82	182	32.03%		-25.51 <-- =C27-\$LS2
BA171117P00235000	2017-11-01 3:56PM EDT	235	0.4	0.36	0.44	-0.06	-13.04%	44	3,770	30.08%		-23.01 <-- =C28-\$LS2
BA171117P00237500	2017-10-31 3:46PM EDT	237.5	0.54	0.39	0.51	0	-	7	159	28.39%		-20.51 <-- =C29-\$LS2
BA171117P00240000	2017-11-01 3:42PM EDT	240	0.59	0.51	0.63	-0.08	-11.94%	32	3,048	27.08%		-18.01 <-- =C30-\$LS2
BA171117P00242500	2017-11-01 3:31PM EDT	242.5	0.78	0.7	0.79	-0.04	-4.88%	115	189	25.84%		-15.51 <-- =C31-\$LS2
BA171117P00245000	2017-11-01 3:33PM EDT	245	0.98	0.92	1.03	-0.15	-13.27%	79	3,228	24.87%		-13.01 <-- =C32-\$LS2
BA171117P00247500	2017-11-01 2:39PM EDT	247.5	1.48	1.25	1.43	0.02	1.37%	20	1,051	24.49%		-10.51 <-- =C33-\$LS2
BA171117P00250000	2017-11-01 3:45PM EDT	250	1.76	1.6	1.9	-0.16	-8.33%	316	2,758	23.80%		-8.01 <-- =C34-\$LS2
BA171117P00252500	2017-11-01 3:31PM EDT	252.5	2.49	2.28	2.51	-0.01	-0.40%	80	612	23.16%		-5.51 <-- =C35-\$LS2
BA171117P00255000	2017-11-01 3:47PM EDT	255	3.2	3.05	3.3	-0.25	-7.25%	318	5,110	22.62%		-3.01 <-- =C36-\$LS2
BA171117P00257500	2017-11-01 2:17PM EDT	257.5	4.75	4.1	4.4	0.25	5.56%	17	493	22.67%		-0.51 <-- =C37-\$LS2
BA171117P00260000	2017-11-01 1:14PM EDT	260	6.59	5.4	5.7	0.79	13.62%	23	1619	22.69%		1.99 <-- =C38-\$LS2
BA171117P00262500	2017-11-01 2:57PM EDT	262.5	7.6	6.9	7.3	0.58	8.26%	3	323	23.22%		4.49 <-- =C39-\$LS2
BA171117P00265000	2017-11-01 3:59PM EDT	265	9	8.8	9.15	0.16	1.81%	6	637	24.13%		6.99 <-- =C40-\$LS2
BA171117P00267500	2017-11-01 11:27AM EDT	267.5	12.12	10.55	11.2	1.48	13.91%	5	322	25.43%		9.49 <-- =C41-\$LS2
BA171117P00270000	2017-11-01 3:41PM EDT	270	13.2	12.9	13.8	-0.56	-4.07%	3	95	29.43%		11.99 <-- =C42-\$LS2
BA171117P00272500	2017-10-30 12:27PM EDT	272.5	15.66	14.1	15.3	0.27	1.75%	1	5	26.17%		14.49 <-- =C43-\$LS2
BA171117P00275000	2017-10-27 1:17PM EDT	275	19.26	19.45	20.65	6.46	50.47%	8	24	46.63%		16.99 <-- =C44-\$LS2
BA171117P00277500	2017-10-27 11:49PM EDT	277.5	15.2	21.5	23.1	0	-	6	6	49.68%		19.49 <-- =C45-\$LS2
BA171117P00280000	2017-10-24 11:09AM EDT	280	17.1	24.4	25.6	0	-	43	48	52.89%		21.99 <-- =C46-\$LS2
BA171117P00285000	2017-10-27 11:49PM EDT	285	20.65	29.35	30.55	0	-	20	20	55.01%		26.99 <-- =C47-\$LS2
BA171117P00290000	2017-10-23 3:34PM EDT	290	28.65	34.5	36.15	0	-	5	5	63.07%		31.99 <-- =C48-\$LS2
BA171117P00295000	2017-10-23 3:34PM EDT	295	33.5	38.7	41.7	0	-	5	5	67.70%		36.99 <-- =C49-\$LS2
BA171117P00300000	2017-10-13 11:57PM EDT	300	38.5	36.05	37.65	0	-	2	2	0.00%		41.99 <-- =C50-\$LS2
BA171117P00340000	2017-10-06 11:55PM EDT	340	86.1	76.15	78.45	0	-	6	6	0.00%		81.99 <-- =C51-\$LS2
BA171117P00345000	2017-10-06 11:55PM EDT	345	91.15	81.15	83.5	0	-	3	3	0.00%		86.99 <-- =C52-\$LS2
BA171117P00350000	2017-10-06 11:55PM EDT	350	95.8	86.05	88.45	0	-	13	24	0.00%		91.99 <-- =C53-\$LS2
BA171117P00360000	2017-10-06 11:55PM EDT	360	103.95	96.15	98.1	0	-	5	5	0.00%		101.99 <-- =C54-\$LS2