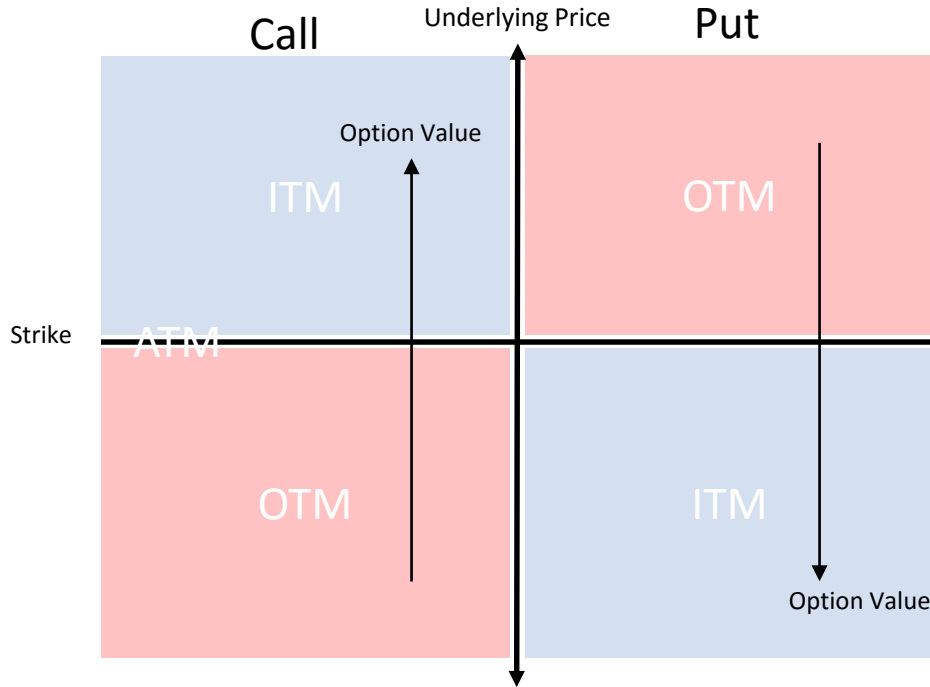


Option Basics Options Pricing

Relation of Options Price to the Price
of its Base Instrument

Option Price Development in Relation to Base Price



- Base Price increase: call Option Value increases, put option value decreases
- Base Price decrease: call Option Value decreases, put option value increases
- Delta expresses the value of change for \$ 1 movement in price
- More ITM, more Delta factor
- ATM Options have 0.5000 Delta
- Delta is an Option Greek. Some use it interchangeably as Probability ITM of an Option

Quote Panel

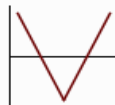
Financial Instrument	Bid Size	Bid	Ask	Ask Size	Last	Position
NKE	4	51.86	51.91	4	51.90	

Trading

Orders Log Trades Portfolio Strategy Builder

B/A: 619 **1.76 2.13** 10 Debit Reverse Add Stock Make Delta Neutral Straddle

Action	Ratio	LastTrdDay	Strike	Type	Mltplr	X
Buy	1	OCT 06 '17	53	Call	100	X
Buy	1	OCT 06 '17	53	Put	100	X
Buy	1					



Place order: U2026374 1 DAY LMT -1... SMART Transmit Add to Quote Panel

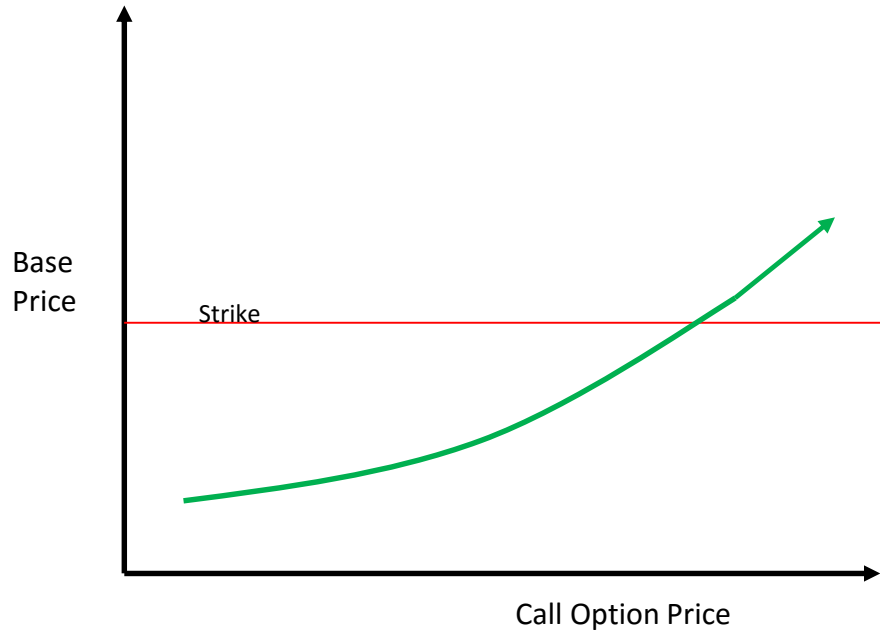
Option Chains

SEP 29 '17 (2 DAYS) OCT 06 '17 (9 DAYS) OCT 13 '17 (16 DAYS) OCT 20 '17 (23 DAYS) MORE

TABBED VIEW All STRIKES SMART NKE 100 Load My Chains

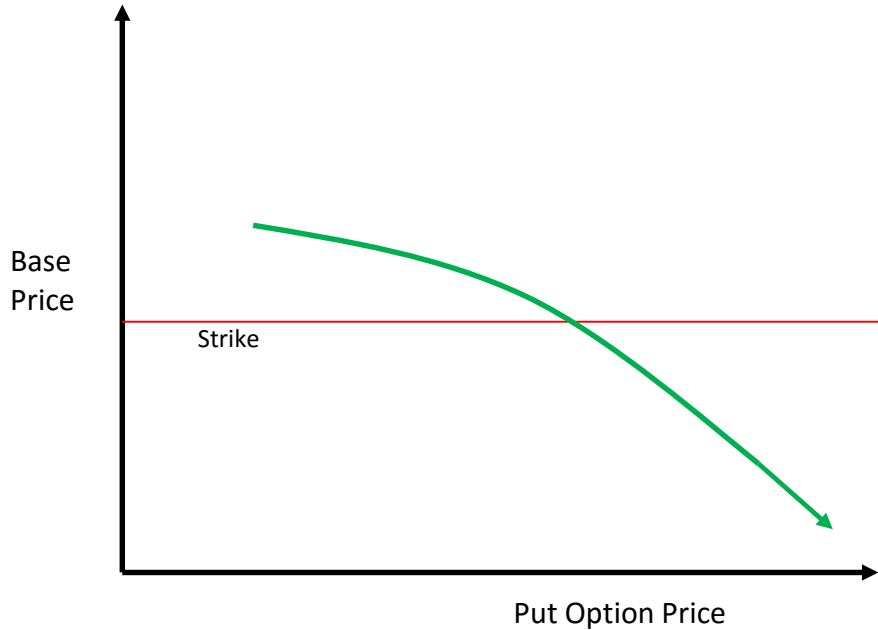
CALLS								STRIKE	PUTS								IV: 23.3%
BID	ASK	VOLUME	OPTN ...	DELTA	GAMMA	VEGA	THETA		BID	ASK	VOLUME	OPTN ...	DELTA	GAMMA	VEGA	THETA	
0.02	0.06	1	409	0.044	0.048	0.008	-0.010	55	2.33	3.60	399	-0.960	0.049	0.008	-0.008		
0.04	0.10	11	324	0.071	0.070	0.011	-0.014	54.5	2.78	3.05	42	-0.931	0.071	0.011	-0.013		
0.08	0.14	62	965	0.111	0.098	0.015	-0.018	54	2.22	2.66	103	-0.892	0.098	0.015	-0.018		
0.14	0.22	197	411	0.164	0.128	0.022	-0.026	53.5	1.90	2.18	350	-0.838	0.129	0.022	-0.025		
0.20	0.40	78	379	0.234	0.159	0.026	-0.033	53	1.56	1.73	266	-0.768	0.159	0.026	-0.031		
0.34	0.48	3	587	0.317	0.185	0.029	-0.038	52.5	1.12	1.37	104	-0.684	0.186	0.029	-0.036		
0.53	0.71	6	107	0.412	0.203	0.032	-0.042	52	0.88	1.06	45	-0.589	0.204	0.032	-0.040		
0.70	1.37	1	35	0.515	0.210	0.033	-0.042	51.5	0.72	0.82	35	-0.486	0.210	0.033	-0.041		
0.98	1.25	32	140	0.618	0.200	0.031	-0.041	51	0.45	0.59	66	-0.383	0.200	0.031	-0.039		
1.39	1.81	1	75	0.713	0.177	0.029	-0.037	50.5	0.36	0.41	5	-0.288	0.178	0.029	-0.035		
1.76	1.97	8	36	0.793	0.147	0.025	-0.032	50	0.19	0.30	73	-0.207	0.147	0.025	-0.030		
1.18	2.68	22	22	0.854	0.114	0.019	-0.026	49.5	0.09	0.21	1	-0.146	0.114	0.019	-0.025		
1.22	3.75	30	30	0.896	0.086	0.015	-0.022	49	0.09	0.15	3	-0.104	0.086	0.015	-0.020		

Price Development Call



- The price development of a call as to underlying price is not linear
- The nearer an OTM strike is to the underlying, the more worth it will carry due to the chance of the option ending up ITM
- Deep ITM Options have a Delta near 1
- This is a point where the call option is so deep ITM that it reacts 1:1 for every \$1 move
- ATM Calls have a Delta value of 0.5000

Price Development Put



- The price development of a put as to underlying price is not linear
- The nearer an OTM strike is to the underlying, the more worth it will carry due to the chance of the option ending up ITM
- Deep ITM Options have a Delta near 1
- This is a point where the put option is so deep ITM that it reacts 1:1 for every \$1 move
- ATM Puts have a Delta value of -0.5000

Quote Panel

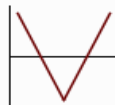
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Buy	1					



Place order: U2026374 1 DAY LMT -1... SMART Transmit Add to Quote Panel

Option Chains

SEP 29 '17 2 DAYS OCT 06 '17 9 DAYS OCT 13 '17 16 DAYS OCT 20 '17 23 DAYS MORE

TABBED VIEW All STRIKES SMART NKE 100 Load My Chains

CALLS								STRIKE	PUTS								IV: 23.3%
BID	ASK	VOLUME	OPTN ...	DELTA	GAMMA	VEGA	THETA		BID	ASK	VOLUME	OPTN ...	DELTA	GAMMA	VEGA	THETA	
0.02	0.06	1	409	0.044	0.048	0.008	-0.010	55	2.33	3.60	399	0.960	0.048	0.008	-0.008		
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0.70	1.37	1	35	0.515	0.210	0.033	-0.042	51.5	0.62	0.82	35	0.486	0.210	0.033	-0.041		
0.98	1.25	32	140	0.618	0.200	0.031	-0.041	51	0.45	0.59	66	0.383	0.200	0.031	-0.039		
1.39	1.81	1	75	0.713	0.177	0.029	-0.037	50.5	0.26	0.41	5	0.288	0.178	0.029	-0.035		
1.76	1.97	8	36	0.793	0.147	0.025	-0.032	50	0.19	0.30	73	0.207	0.147	0.025	-0.030		
1.18	2.68		22	0.854	0.114	0.019	-0.026	49.5	0.09	0.21	1	0.146	0.114	0.019	-0.025		
1.22	3.75			0.896	0.086	0.015	-0.022	49	0.09	0.15	3	0.104	0.086	0.015	-0.020		