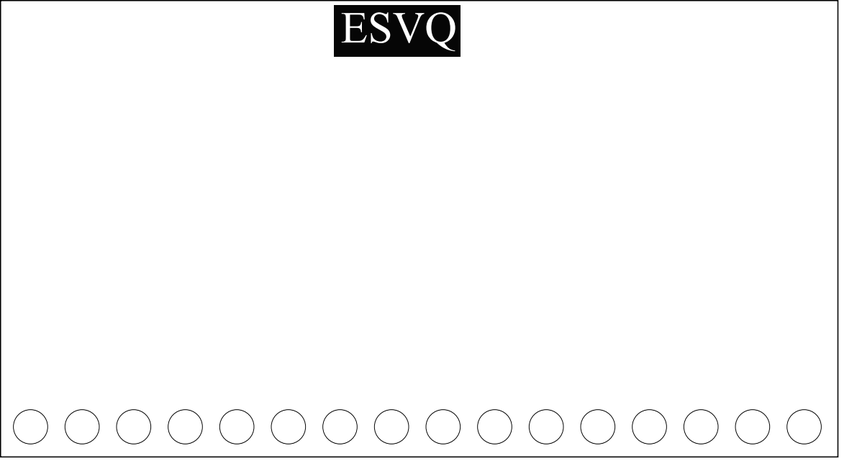

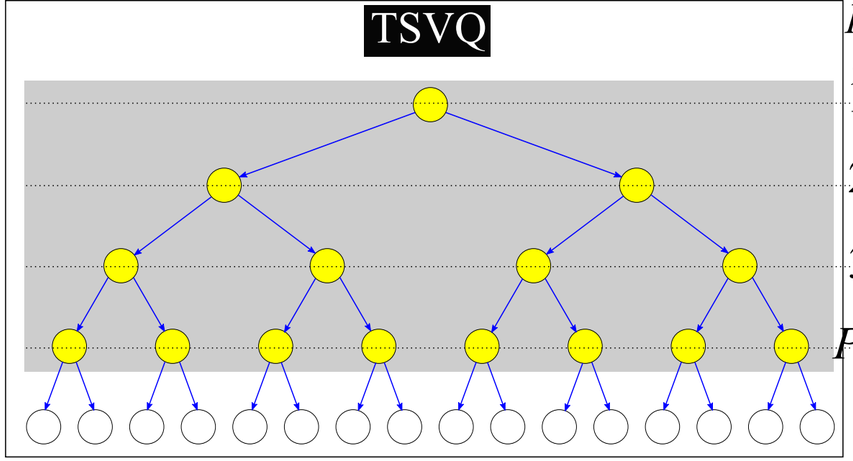

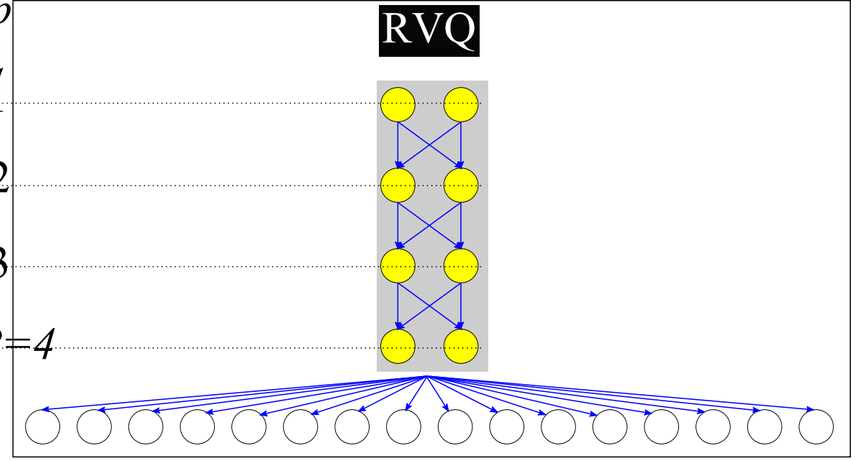

		ESVQ	TSVQ	RVQ
1	# data points	N	same	same
2	Vertical dimension, P	-	depth	# stages
3	Horizontal dimension, M	-	breadth	# code-vectors per stage
4	Encoding indeces	-	path map (P-tuple)	XDR (P-tuple)
5	Input dimension	D	same	same
6	Rate, r (bits/vector component)	$(\log_2 K)/D$	same	same
7	# non-terminal (stage) nodes, K_n	0	$1 + M + M^2 + \ldots + M^{P-1} = \frac{M^P-1}{M-1}$	-
8	# terminal code-vectors, K	2^{rD}	M^P	same as TSVQ
9	search complexity/stage	1 stage, $O(2^{rD})$	$O(M)$	same as TSVQ
10	search complexity, all stages	$O(2^{rD})$	$O(MP)$	same as TSVQ
11	Total code-vectors to store in memory	2^{rD}	$MK_n = M\frac{M^P-1}{M-1}$	MP