

$$A = \varepsilon\text{-closure}(S_0) = \{0, 1, 2\} = A ; D = \{A\} ; \text{Simple } (3)$$

$$U = \varepsilon\text{-closure}(\text{move}(A, P)) = ; D = \{A\}$$

$$= \varepsilon\text{-closure}(\{1\}) = \{1\} = B ; D = \{A, B\}$$

$$U = \varepsilon\text{-closure}(\text{move}(A, >)) =$$

$$= \varepsilon\text{-closure}(\{2\}) = \{2\} = C ; D = \{A, B, C\}$$

$$U = \varepsilon\text{-closure}(\text{move}(A, A)) =$$

$$= \varepsilon\text{-closure}(\{3\}) = \{3, 1, 2\} = D \left. \begin{array}{l} \text{Same for } \{B, a, b\} \\ \text{No new D state.} \end{array} \right\}$$

$$U = \varepsilon\text{-closure}(\text{move}(A, Q)) = ; D = \{A, B, C, D\}$$

$$= \varepsilon\text{-closure}(\{4\}) = \{4\} = E ; D = \{A, B, C, D, E\}$$

$$U = \varepsilon\text{-closure}(\text{move}(B, U)) = \{7\} = F ; D = \{A, B, C, D, E, F\}$$

$$U = \varepsilon\text{-closure}(\text{move}(B, 0)) = \{8\} = G ; D = \{A, B, C, D, E, F, G\}$$

$$U = \varepsilon\text{-closure}(\text{move}(C, =)) = \{6, 1, 2\} = H ; D = \{A, B, C, D, E, F, G, H\}$$

$$U = \varepsilon\text{-closure}(\text{move}(D, [ABab-])) = \{3, 1, 2\} = D ; D = \{A, B, C, D, E, F, G, H\}$$

$$U = \varepsilon\text{-closure}(\text{move}(E, [0-3])) = \{5, 1, 2\} = I ;$$

$$U = \varepsilon\text{-closure}(\text{move}(F, S)) = \{10\} = J ; D = \{A, B, C, D, E, F, G, H, I, J\}$$

$$U = \varepsilon\text{-closure}(\text{move}(G, P)) = \{9, 1, 2\} = K ;$$

$$U = \varepsilon\text{-closure}(\text{move}(H, *)) = H \rightarrow \text{Same for } I$$

$$U = \varepsilon\text{-closure}(\text{move}(J, h)) = \{11, 1, 2\} = L ;$$

$$U = \varepsilon\text{-closure}(\text{move}(K, *)) = K \rightarrow \text{Same for } L$$

$$D = \{A, B, C, D, E, F, G, H, I, J, K, L\}$$

State

Input Symbol

	P	u	s	h	o	>	=	A	B	a	b	-	0	1	2	3	Q
A	B					C		D									E
B		F		G													
C							H										
D								D	D	D	D	D					
E													I	I	I	I	
F			J														
G	K																
H																	
I													I	I	I	I	
J				L													
K																	
L																	