

$$L=\{a^n b^n b^m a^m, \ n,m>0\}$$

S	AB
A	aAb
A	ab
B	ba
B	bBa
$\delta(q,a,a)$	(q,ϵ)
$\delta(q,b,b)$	(q,ϵ)
$\delta(q,\epsilon,S)$	(q,AB)
$\delta(q,\epsilon,A)$	(q,aAb)
$\delta(q,\epsilon,A)$	(q,ab)
$\delta(q,\epsilon,B)$	(q,ba)
$\delta(q,\epsilon,B)$	(q,bBa)