

$\xrightarrow{\text{input memory}}$	\emptyset	N	W	$N+W$
0	$0, \emptyset$	$2, N$	$2, W$	$2, N$
1				
2	$2, \emptyset$	$2, N$	$2, W$	$2, N$
3	$3, \emptyset$	$2, N$	$2, W$	$2, N$