

QUEUE				STG 1 (2)	QUEUE	STG 2 (3)	QUEUE	STG 3 (1)	RESULT				step	
D	C	B	A											0
	D	C	B	A										1
	D	C	B	A										2
		D	C	B		A								3
			D	C	B	A								4
				D	C	A	B							5
					D	B	A							6
						C	B	A						7
						C	B		A					8
						D	C	B		A				9
						D	C		B	A				10
						D	C		B	A				11
							D	C		B	A			12
								D	C	B	A			13
									C	B	A			14
									D	C	B	A		15
										D	C	B	A	