







Instr	1	2	3	4	5	6	7	8	9	10
i	F1	F2	D	Α	M1	M2	M3	W		
i+1		F1	F2	D	A	M1	M2	M3	W	
l+2			F1	F2	D	A	M1	M2	M3	W
i+3				F1	F2	D	A	M1	M2	M3
i+4					F1	F2	D	A	M1	M2
i+5						F1	F2	D	A	M1
i+6							F1	F2	D	A
		,	What	are the	e bypa	ss patł	ıs?			
		A	В	С			E	F	G	Н
From Stage										
To Stage										





Branch Prediction						
 Depending on use, some branches are very predictable loops TTTTN limit checks 	<pre>for(j=0;j<30;j++) { }</pre>					
 almost always pass Some are not very predictable data dependent dispatch with equally likely cases Types of predictors 	<pre>switch(mode) { case 1: case 2: default:</pre>					
 static history multi-bit history pattern 	 if(a > limit) { }					





























