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Courses » Computer Organization and Architecture			
Jnit 8 - We	Announcements Course Forum Progress	s Mentor	
Course outline	Assignment Week 7		
How to access the portal			
Week 1	Assignment Week 7		
	1) A conditional jump is recognized at the fetch stage using	1 poi	
Week 2	Branch Target Buffer		
Week 3			
Week 4	Special Processing unit		
Maak E	Software Prediction		
Week 5	Operating System		
Week 6			
Week 7 Lecture 21 - Control Hazard, Branch	Accepted Answers: Branch Target Buffer 2) When should the Branch Target Buffer be flushed?	1 ро	
Prediction	Never	-	
Lecture 22 - Process	When there is a function call		
Management	When there is a process switch		
 Lecture 23 - Branch prediction 	All of the above		
 Lecture 24 - Global Branch Prediction 	Accepted Answers: When there is a process switch		
Quiz : Assignment Week 7	 3) You cannot maintain a very large Content Addressable Memory because of Low efficiency 	1 po	
 Lab Exercise 4 	 Large cost for the CAM chip 		
Feedback for	Iow memory access speed		
week 7	Area and Power		
 Week 7 Solutions 			
Week 8	Accepted Answers:		
Week 9	<i>Area and Power</i>4) A Trap is generated by the	1 po	
Week 10	 the running process 		
WEER IV	 an external process 		

12/28/2017

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Week 11

Week 12

Operating System
 Compiler

Accepted Answers: the running process

5) A printf or malloc takes the process to what state?	

1 point

1 point

1 point

1 point

1 point

- Ready
- SuspendedTerminated
- Accepted Answers:

Suspended

6) The characteristic of a static predictor is that

- The prediction is always taken
- The prediction is always not taken
- The prediction is always constant
- The prediction changes with each mis-prediction

Accepted Answers:

The prediction is always constant

7) for(i=0;i<100;i++)

{ Code;

} The best static predictor for the above code will predict

- Always taken
- Always not taken
- No prediction
- None of the above

Accepted Answers: Always not taken

8) When does a dynamic 1-bit predictor change its prediction?

- With every misprediction
- With two mispredictions
- When there is a page fault
- Never

Accepted Answers: With every misprediction

9) At tournament predictor works by

- Choosing a random predictor
- changing the prediction for every mis-prediction
- choosing a predictor for every mis-prediction

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choosing a best predictor based on the previous predictions

Accepted Answers:

choosing a best predictor based on the previous predictions

10) There is no need to use a k-bit predictor ,k>2 because

1 point

- k is inversely proportional to efficiency
- Efficiency of k-bit predictors,k>2 is worse than 2-bit predictor

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- Efficiency of k-bit predictors,k>2 is unpredictable
- A 2-bit predictor is as good as any k-bit predictor

Accepted Answers:

A 2-bit predictor is as good as any k-bit predictor