	-	Hw3
/	_	Sittanat Palakawong Na Ayudthaya
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_	_	
/	1	Why do we need memory hierarchy?
_	1	Ans. good written program tend to visit storage
_	_	at any given more often. than the storage.
	_	at next level
_	_	ATTENT WITH
_	_	
_	<u>.</u> .	Why don't we just construct a large and fast
_	_	memory and be done with it?
	_	Ans it is not real, more space means slower
		speed because there is more room.
	2.	Why do we need a cache layer in the
		memory his rarchy?
		Ans Cache memory is crucical it enhances
		data retrio val performance. It saves program.
		instrotion, and data
	3.	Will the result of a program execution be
		different if executed with a che and with no
		cache ° Explain
_		Arg. Yes, If program contains a loop that repeatedly
_		
-		references the same data

4.	Why do conflict misses occur?
	Ans. When many blocks are mapped to the
	same set misses occorleg.
5,	Why do cold misses occur?
	Ans. When the initial access to a block These misses occur. The block must be placed
	in the coche.
	111 1110 0000
6.	Ans for (=0; /20; ++)
	print(1)
7.	Ans for (1=0; 1<20; 1++)
	print (a[1])