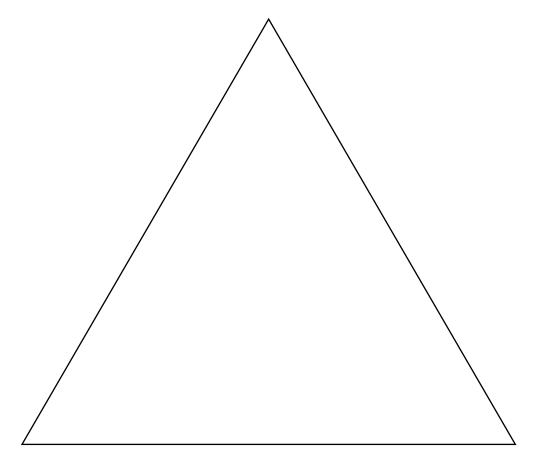
1.	More on memo	
	a. Characteristics of memory systems	
	I.	Physical type 1. Need two well-defined states in the medium to differentiate 0 and 1 2. Semiconductor – flip-flops, capacitors, so on 3. Magnetic surface – stored using magnetism (like hard drives)
		4. Optical – CDs, Blu-ray, and the like
	ii.	Volatility
		 Non-volatile – retains information when power is off (hard drives) Volatile – loses information when power is cut (registers, flip flops, RAM) Location – internal (RAM) or external (USB hard drive)
	iii.	Capacity
		Units of transfer
	V.	Access methods 1. Sequential
		2. Direct access
		3. Random access
		4. Associative
	vi.	Performance
	vii.	Erasability

2. Memory hierarchy



- a. Forms a pyramid
- b. Key to success of the hierarchy
- c. Locality types
 - i. Temporal locality
 - ii. Spatial locality
- d. Locality is the key behind why caches work so well