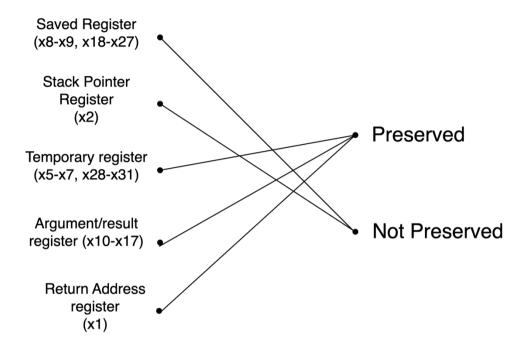1. A procedure or function is a tool for programmers to structure programs. It aims to make programs easier to understand and to allow code to be reused. When programmers invoke a procedure call, it is vital to ensure that data saved in specific registers is preserved before execution. The registers in a processor are categorized into different groups. Please specify which groups of registers should be "Preserved" and "Not Preserved".

部分給分，錯一條扣一分。

2. Given two CPUs, A and B, both of which have the same ISA. The performance report shows that the cycle time and CPI for CPU A are 300 ps and 1.5, respectively. For CPU B, they are 200 ps and 1.75, respectively. Please determine which CPU is faster, and by how much?

B 比較快，快約 28%, 1.28 倍, 1.2 倍, 1.3 倍, 450/350, 9/7 都給分