(b) [6 points] Assume the compiled programs run on two different processors, If the execution times on the two processors are the same, how much faster is the clock of the processor running compiler A's code versus the clock of the processor running compiler B's code?

A clock rate = 0.73 Clock rate B

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A new compiler is developed that uses only 6.0E8 instructions and how as some of the same of t

(c) [6 points] A new compiler is developed that uses only 6.0E8 instructions and has an average CPI of 1.1. What is the speedup of using the new compiler versus using compiler A or B on the original processor?

or $CPV = IC \times CPI \times Cycle time = 6 \times 10^3 \times 1.1 \times 10^5 = 0.66s$ $CPV = IC \times CPI \times Cycle time = 6 \times 10^3 \times 1.1 \times 10^5 = 0.66s$ $CPV = IC \times CPI \times Cycle time = 6 \times 10^3 \times 1.1 \times 10^5 = 0.66s$ $CPV = IC \times CPI \times Cycle time = 6 \times 10^3 \times 1.1 \times 10^5 = 0.66s$ $CPV = IC \times CPI \times CYCle time = 6 \times 10^3 \times 1.1 \times 10^5 = 0.66s$ $CPV = IC \times CPI \times CYCle time = 6 \times 10^3 \times 1.1 \times 10^5 = 0.66s$ $CPV = IC \times CPI \times CYCle time = 6 \times 10^3 \times 1.1 \times 10^5 = 0.66s$ $CPV = IC \times CPI \times CYCle time = 6 \times 10^3 \times 1.1 \times 10^5 = 0.66s$ $CPV = IC \times CPI \times CYCle time = 6 \times 10^3 \times 1.1 \times 10^5 = 0.66s$ $CPV = IC \times CPI \times CYCle time = 6 \times 10^3 \times 1.1 \times 10^5 = 0.66s$ $CPV = IC \times CPI \times CYCle time = 6 \times 10^3 \times 1.1 \times 10^5 = 0.66s$ $CPV = IC \times CPI \times CYCle time = 6 \times 10^3 \times 1.1 \times 10^5 = 0.66s$ $CPV = IC \times CPI \times CYCle time = 6 \times 10^3 \times 1.1 \times 10^5 = 0.66s$ $CPV = IC \times CPI \times CYCle time = 6 \times 10^3 \times 1.1 \times 10^5 = 0.66s$ $CPV = IC \times CPI \times CYCle time = 6 \times 10^3 \times 1.1 \times 10^5 = 0.66s$ $CPV = IC \times CPI \times CYCle time = 6 \times 10^3 \times 1.1 \times 10^5 = 0.66s$ $CPV = IC \times CPI \times CYCle time = 6 \times 10^3 \times 1.1 \times 10^5 = 0.66s$ $CPV = IC \times CPI \times CYCle time = 6 \times 10^3 \times 1.1 \times 10^5 = 0.66s$ $CPV = IC \times CPI \times CYCle time = 6 \times 10^3 \times 1.1 \times 10^5 = 0.66s$ $CPV = IC \times CPI \times CYCle time = 6 \times 10^3 \times 1.1 \times 10^5 = 0.66s$ $CPV = IC \times CPI \times CYCle time = 6 \times 10^3 \times 1.1 \times 10^5 = 0.66s$ $CPV = IC \times CPI \times CYCle time = 6 \times 10^3 \times 1.1 \times 10^5 = 0.66s$ $CPV = IC \times CPI \times CYCle time = 6 \times 10^3 \times 1.1 \times 10^5 = 0.66s$ $CPV = IC \times CPI \times CYCle time = 6 \times 10^3 \times 1.1 \times 10^5 = 0.66s$ $CPV = IC \times CPI \times CYCle time = 6 \times 10^3 \times 1.1 \times 10^5 = 0.66s$ $CPV = IC \times CPI \times CYCle time = 6 \times 10^3 \times 10^3$