2018/662 01703

6. P1. Clock cycles =
$$1\times10^5 + 9\times10^5\times9 + 5\times10^5\times3 + 2\times10^5\times3$$

= 26×10^5

Pa is 1.56 thes faster than P1.

Compiler B is 1.364 threes faster than Compiler A

$$\frac{T_A}{T_{\text{new}}} = \frac{1.1 \times \text{CCT} \times 1.0 \times 10^9}{1.1 \times \text{CCT} \times 6.0 \times 10^8} = 1.667$$
, Mew Compiler is 1.667 thmus faster than A.

$$\frac{T_B}{T_{new}} = \frac{1.25 \times CCT \times 1.2 \times 10^4}{1.1 \times CCT \times 6.0 \times 10^8} = .2.272$$
, new Compiler is 2772 times faster than B.

$$f. CPI new = \frac{700 \times 4 \times 10^9}{2.389 \times 10^9 \times 0.85} = 1.379$$