Let (2n)neil be a sequence of integers

Let $P = max(\{e_i \cdot e_j \cdot e_k \mid e_i, e_j, e_k \in (e_n) : i < j < k\})$

Let ag, ag, ag, ag be the three largest integers sot

is $0 \le a_{1}$, then the only option for p is $\{a_{1}, a_{2}, a_{3}\}$ or $\{a_{1}, a_{2}, a_{3}\}$ or $\{a_{2}, a_{3}, a_{2}, a_{3}\}$ set $a_{3} \le a_{3} \le a_{$

decause if $a_1 \cdot a_2 < a_5 \cdot a_5 = |a_5| \cdot |a_{5_2}|$ then a, a, a, a, < 25, a, 252. a,

if $a_{g_3} \leq 0$ then $p \leq 0$ so the only option for p

is {a, a, 2, 2,3}

if $0 < a_g$ and $(a_g \le 0)$ on $a_g \le 0$, then.

if ag_<0 then again 0 < as, as and we get

There're no more options for P, from here we need only to implement the code according to the cases above.