fixing zeta, gamma, polygamma and pi parts manually

>
$$main := \frac{(n+1)^2}{2} + \frac{91 n}{2} - \frac{97}{2} + \frac{1}{n} - \frac{4096}{n^4} - \frac{8192}{n^3} - \frac{4864}{n^2} - \frac{769}{n}$$

 $main := \frac{(n+1)^2}{2} + \frac{91 n}{2} - \frac{97}{2} - \frac{768}{n} - \frac{4096}{n^4} - \frac{8192}{n^3} - \frac{4864}{n^2}$ (4)

insert_n_in_main :=
$$subs(n = -2, main)$$

 $insert_n_in_main := -203$ (5)