

Problem 6.

Calculate  $\frac{16}{\pi^5} \int_0^{\pi/2} (x^4 + (x - \pi/2)^4) \sin^2 x dx$ .

Вычислите  $\frac{16}{\pi^5} \int_0^{\pi/2} (x^4 + (x - \pi/2)^4) \sin^2 x dx$ .

חשבו את  $\frac{16}{\pi^5} \int_0^{\pi/2} (x^4 + (x - \pi/2)^4) \sin^2 x dx$