2.11. olef p(n) sum = 0 for i in range (1, n+1): Rum = sum + i + f(i) exturn sum	$O(1)$ $O(n)$ $Ei O(i) \le n \cdot O(n) = O(n^2)$ $i=1 O(1)$
Bunagky: T(y)= O(n2).	une grynkisi p(n) y naurpuoning
• Pezymoniam opyricus: $\sum_{i=1}^{n} \frac{1}{i} \frac{1}{i} \frac{1}{i}$ $\frac{1}{2} \frac{1}{2} \frac{1}{2}$	$\frac{1}{2!} f(i) = \frac{1}{2!} f(i$
· Pyrkiejno moncra ommanizybar	$\frac{3}{n(n+1)}$ $\frac{1}{n(n+1)(n+4)}$ $\frac{1}{2}$
def $g(n)$: Netwern $3n(n+1)/4+$ veturn $h(n+1)(n+5)/6$ Thogi $Tg(n) = O(1)$.	h(n-1)(2n-1)/12