Problem statement The only information known about a function T and its derivatives is contained in this table:

a)	Compute	$\int_2^3 T'(x)$	dx.
α_j	Compute	$J_2 - (\omega)$	uu.

a) Compute $\int_2 T(x) dx$.	1	2	-2	
b) Compute $\int_2^3 T''(x) dx$.	2	3	6	
, 1 32 ()	3	7	4	_

c) Compute
$$\int_2^3 x dx$$
.

d) Compute	$\int_2^3 x T''(x) dx.$	Don't look at b) and c)!	Integrate by parts.
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e) Compute
$$\int_2^3 x^2 T^{\prime\prime\prime}(x) dx$$
. And again and again.