X3.3 Let n: *nat* . Let p: $(0,..n)\rightarrow$*bin* . Express that exactly one of the $p\ n$ is $\top$.

After trying the question, scroll down to the solution.

§ $\exists i{:}\,0,..n \cdot p\ i \wedge \neg\exists j{:}\,0,..n \cdot j \neq i \wedge p\ j$