

```

> #  $\prod_{i=1}^h \text{ithprime}(i) - 1 = \text{prime}$  by  $H \cdot E$  ' 20 - 11 - 7 :
> c := 0 :for h from 1 to 100 do if isprime  $\left( \left( \prod_{i=1}^h \text{ithprime}(i) \right) - 1 \right)$  then print  $\left( \text{PRIME}[H$ 
    • E][ {h} ] =  $\left( \prod_{i=1}^h \text{ithprime}(i) \right) - 1$  fi:od:
         $(\text{PRIME}_{H \cdot E})_{\{2\}} = 5$ 
         $(\text{PRIME}_{H \cdot E})_{\{3\}} = 29$ 
         $(\text{PRIME}_{H \cdot E})_{\{5\}} = 2309$ 
         $(\text{PRIME}_{H \cdot E})_{\{6\}} = 30029$ 
         $(\text{PRIME}_{H \cdot E})_{\{13\}} = 304250263527209$ 
         $(\text{PRIME}_{H \cdot E})_{\{24\}} = 23768741896345550770650537601358309$ 
 $(\text{PRIME}_{H \cdot E})_{\{66\}}$ 
    = 193613866407008231634714250543123200826628976125715637619069624142150\
    12369856637179096947335243680669607531475629148240284399976569
 $(\text{PRIME}_{H \cdot E})_{\{68\}}$ 
    = 215970459561025472141574705053337636826079823998952022294943593641844\
    1984820398307416727184404426847652711313512004598759003964186453789
>

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(1)