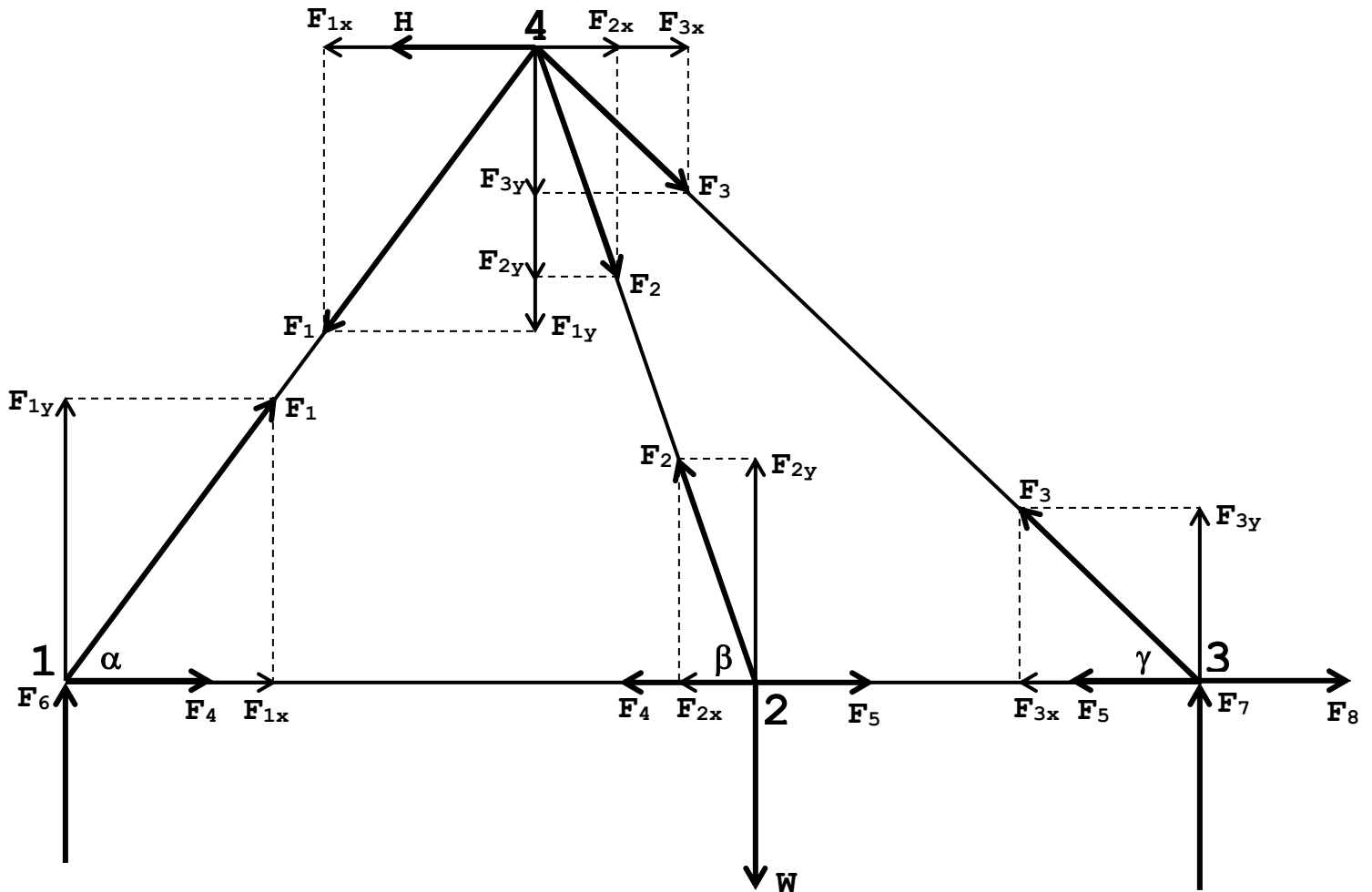


Sample 4b



In the truss shown above, $\alpha=62^\circ$, $\beta=73^\circ$, $\gamma=38^\circ$, $W=300$, and $H=350$. Write a MATLAB program to calculate and print the unknown forces $F_1 - F_8$.

The output of this program should look like this:

```
F =
-401.5167
 313.7075
   88.5522
 188.5007
 280.2199
 354.5182
 -54.5182
 350.0000
```