

Message M



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graph TD; A[Message M] --> B[/Hash function H/]; B --> C["H(M), fixed length m"]
```

The diagram illustrates the process of hashing a message. It starts with a rectangular box at the top labeled "Message M". A vertical arrow points down from this box to a trapezoidal box in the middle labeled "Hash function H". Another vertical arrow points down from the trapezoidal box to a rectangular box at the bottom labeled "H(M), fixed length m".

Hash function  
H

$H(M)$ , fixed length  $m$