

Assignment 2: GPU Password Cracker

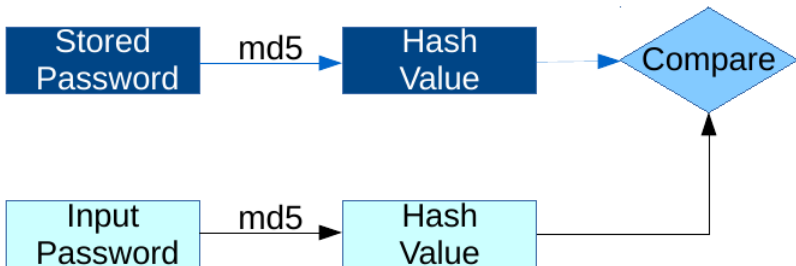
Multicore Architectures - GPU Lab

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- Passwords are stored into hash values
- Checking passwords by checking hash values



- Check hash value of every possible combination of N letters
- MD5 calculation is independent for very possible password
- Constrain for the password:
 - ▶ 4 letters
 - ▶ lower case only
 - ▶ number of possible passwords: $26 \times 26 \times 26 \times 26$
- Example:

f	a	s	t
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- Check ISIS page for example code: md5.c