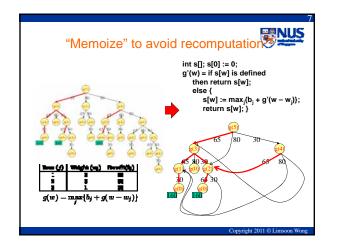
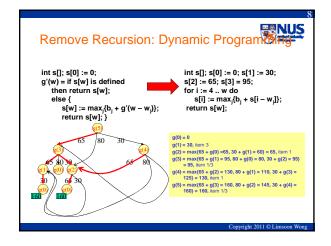
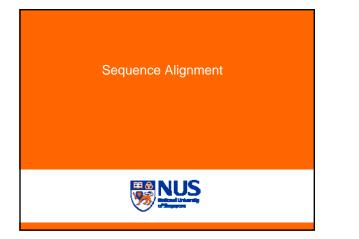


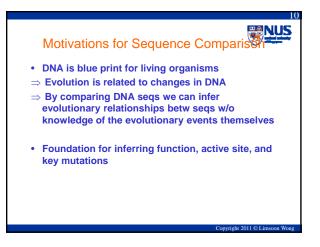
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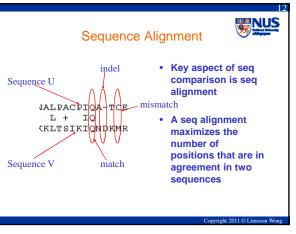


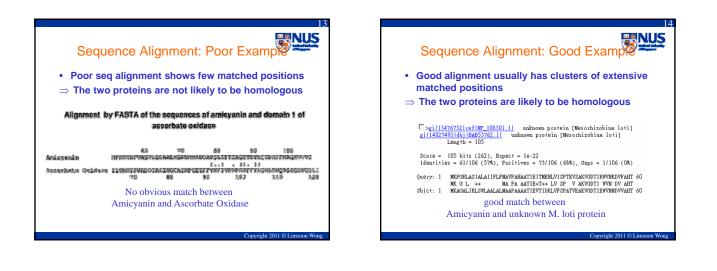


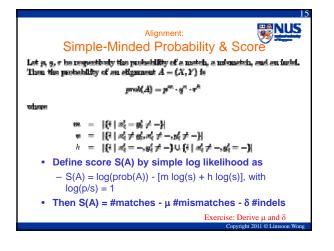


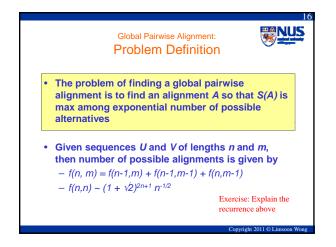


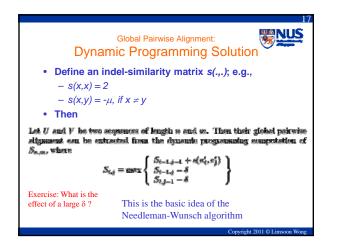


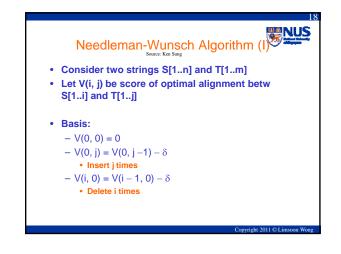




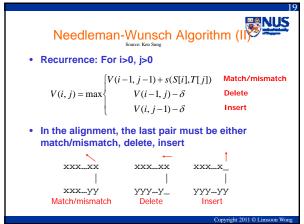


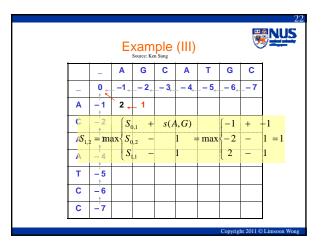




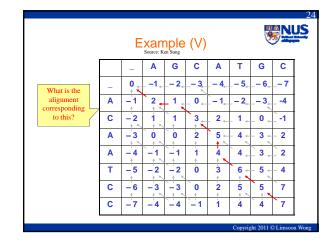


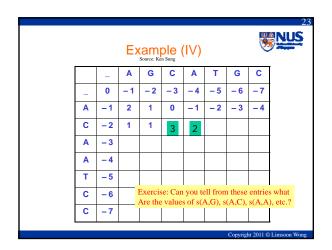
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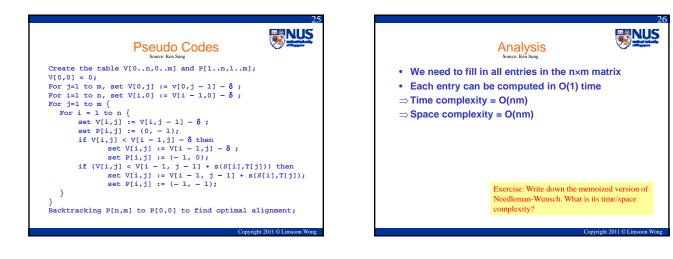


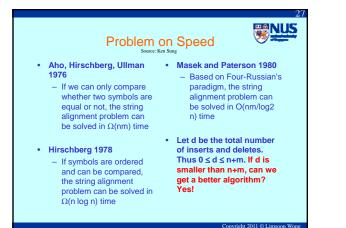


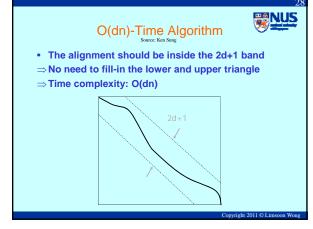
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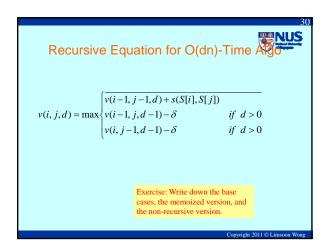




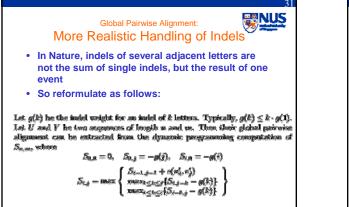


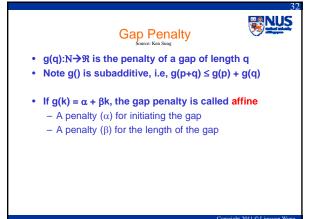


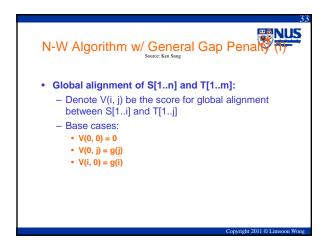


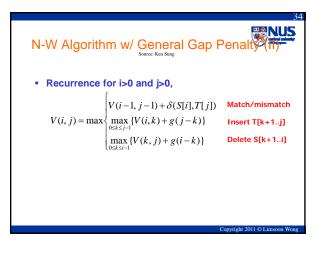


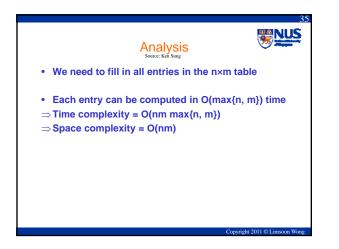
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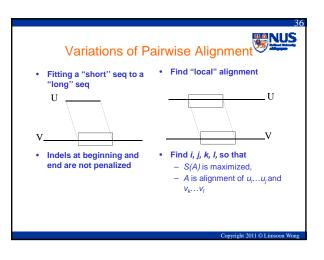


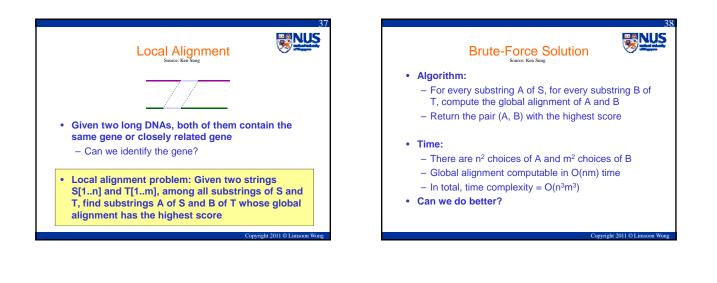


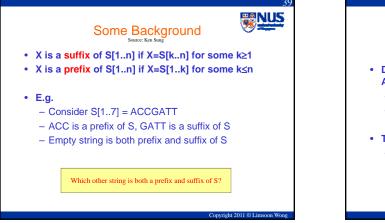


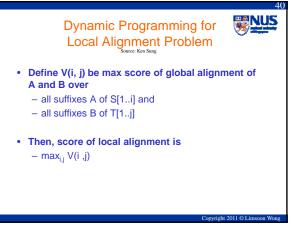


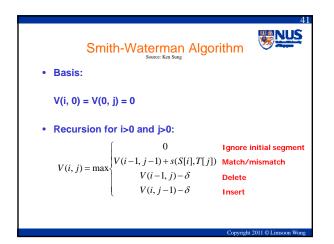


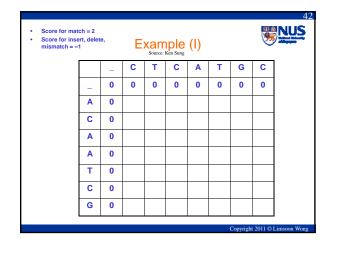








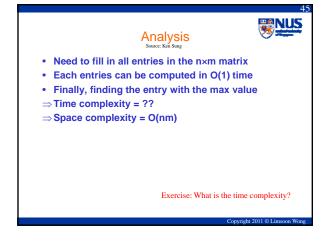


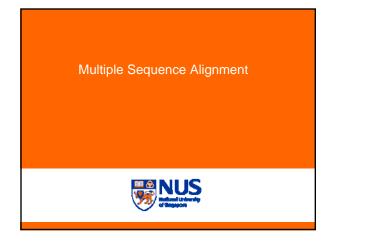


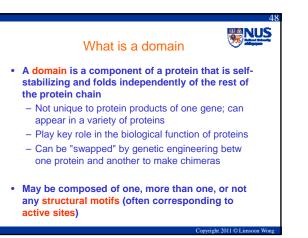
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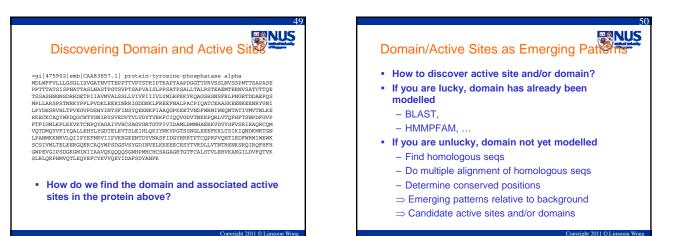
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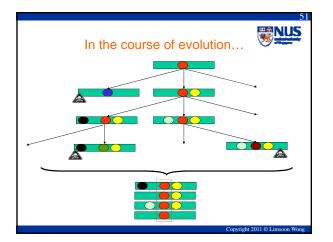


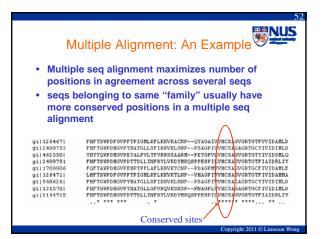


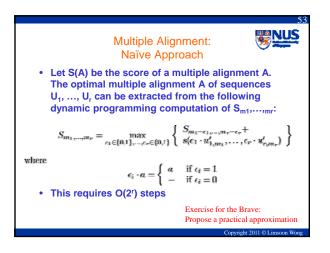




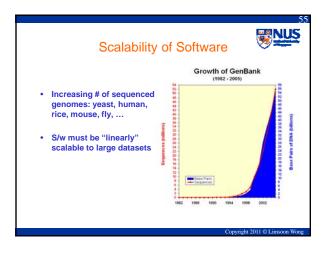


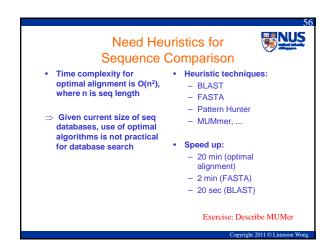


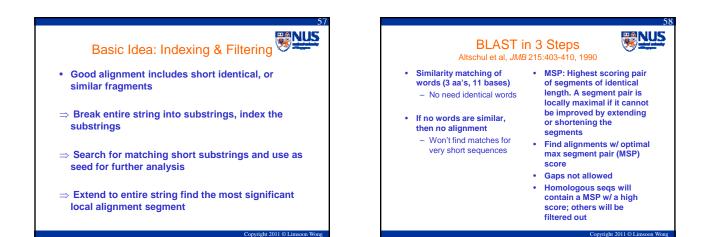


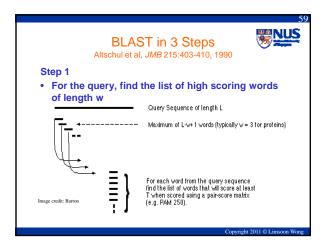


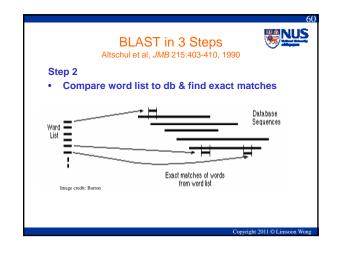


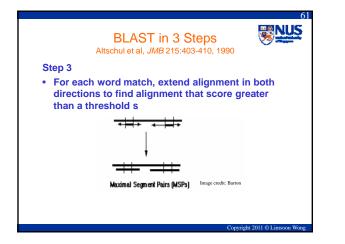


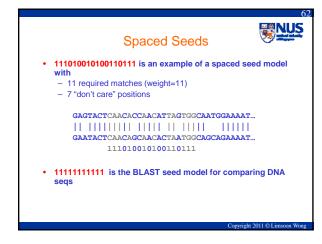


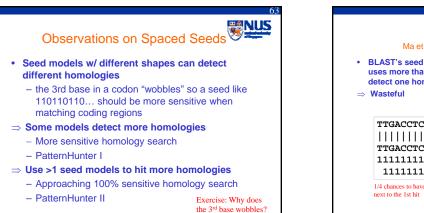




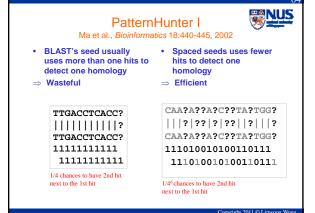


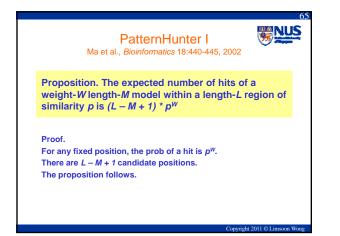


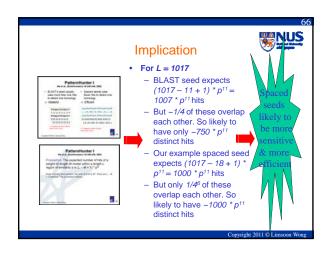


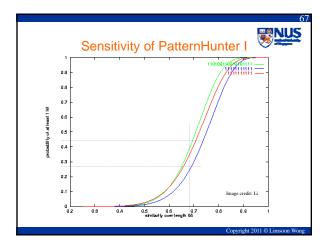


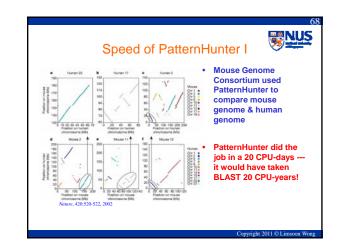
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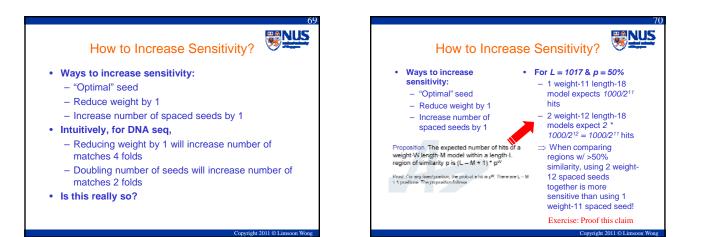


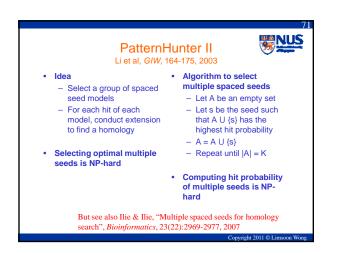


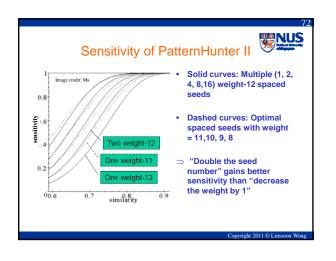








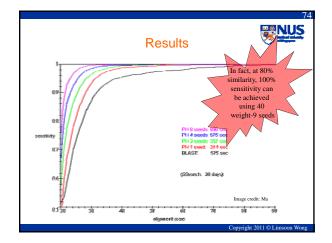


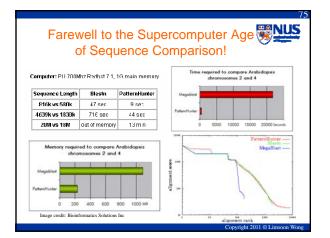


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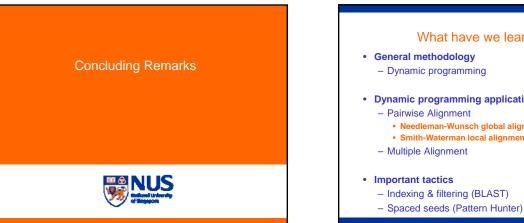
## Expts on Real Data

- 30k mouse ESTs (25Mb) vs 4k human ESTs (3Mb) - downloaded from NCBI genbank
  - "low complexity" regions filtered out
- SSearch (Smith-Waterman method) finds "all" pairs of ESTs with significant local alignments
- Check how many percent of these pairs can be "found" by BLAST and different configurations of PatternHunter II

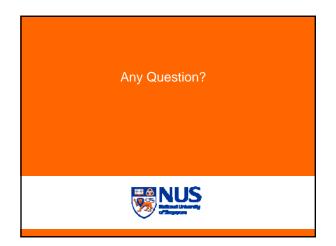












## Acknowledgements

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• Some slides on Needleman-Wunsch and Smith-Waterman are based on those given to me by Ken Sung

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and Dong Xu

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