

4. False detection control in DP framework

• Introduction of the false detection control parameters

✓ "Voting": the number of recognizers outputting the same phoneme on the same arc "ArcWitdh": the number of arcs between successive two nodes A phoneme from more recognizers may have better confidence 5 3 7 2 9 3 4 2 2 mber of arcs may enhance th reliability of the recognized phonemes

• The parameters are installed to the calculation of DP cost



5. Conclusion

- Summary
- Using multiple speech recognizers for STD Multiple recognizers make STD performance better
- Integrating multiple recognizers' output in to PTN was very powerful to improve the performance

- Improving index
 - Reduction of unnecessary information
 - Improving search engine
 - Developing new control parameters in the STD engine
 - Customizing the engine depending on an inputted query