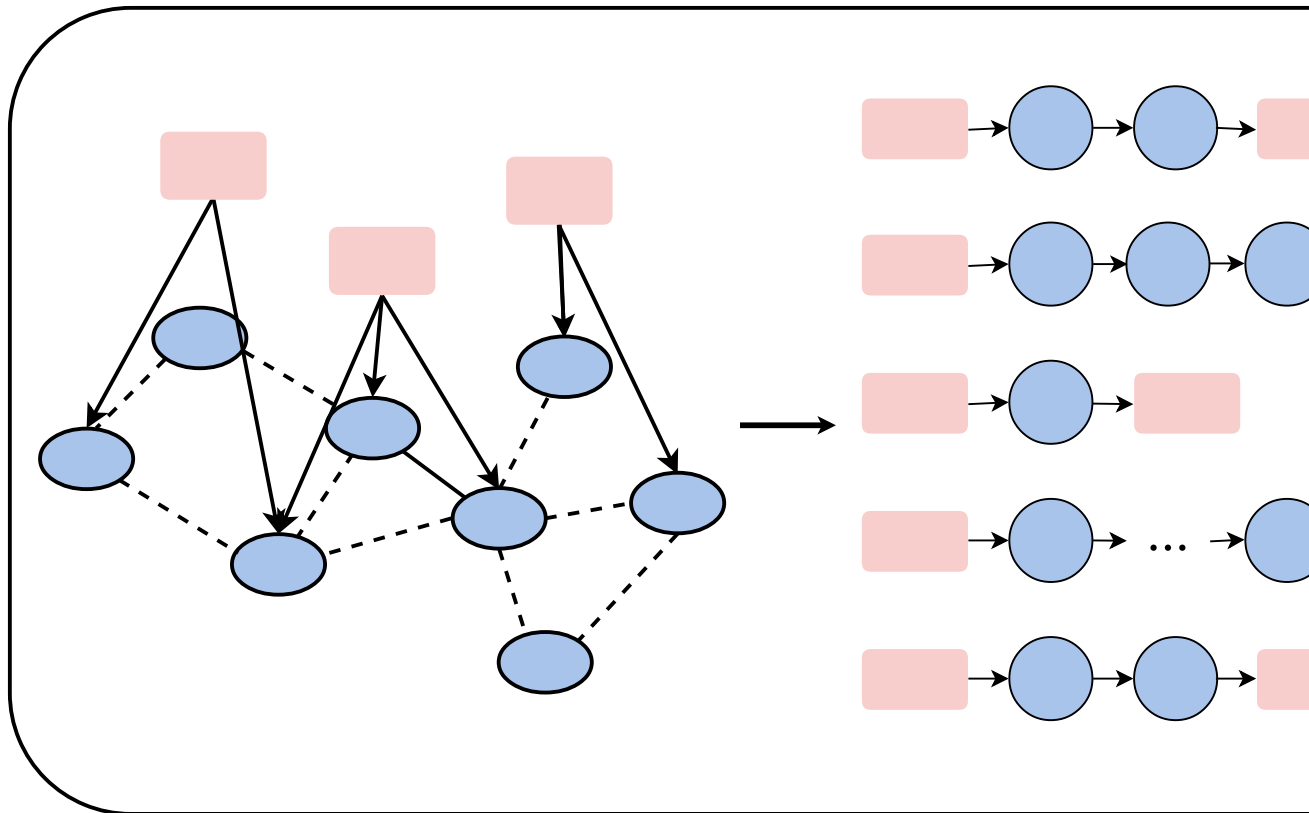


# Tag View Embedding Module

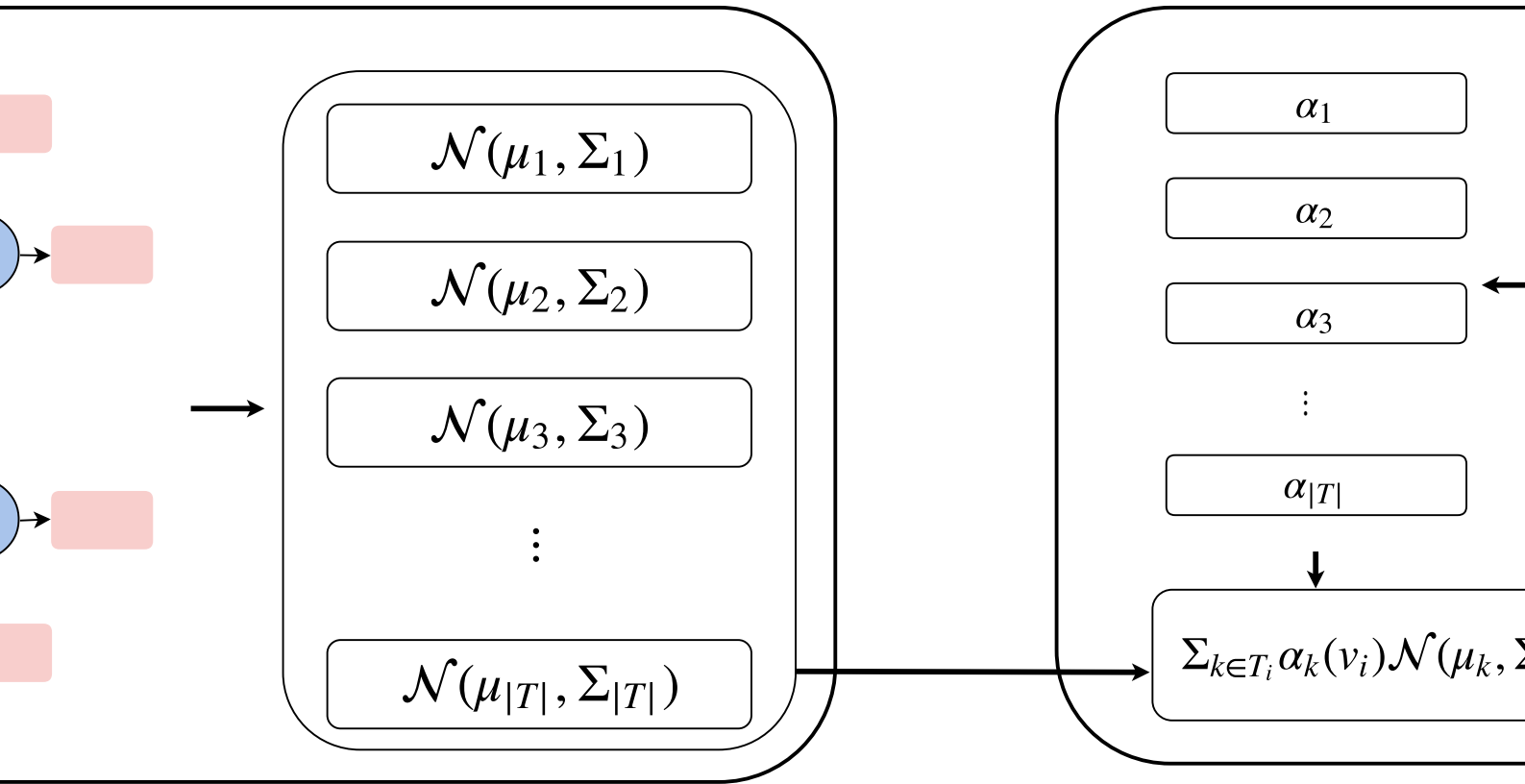


Objective

=

Max-margin

Node  $v$

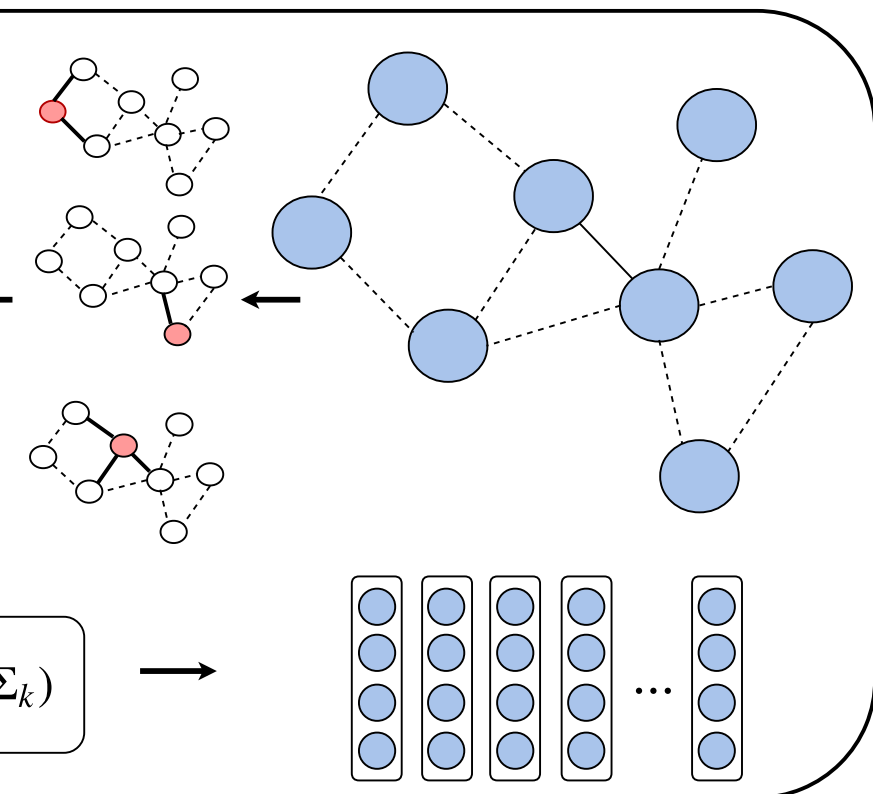


Objective

+

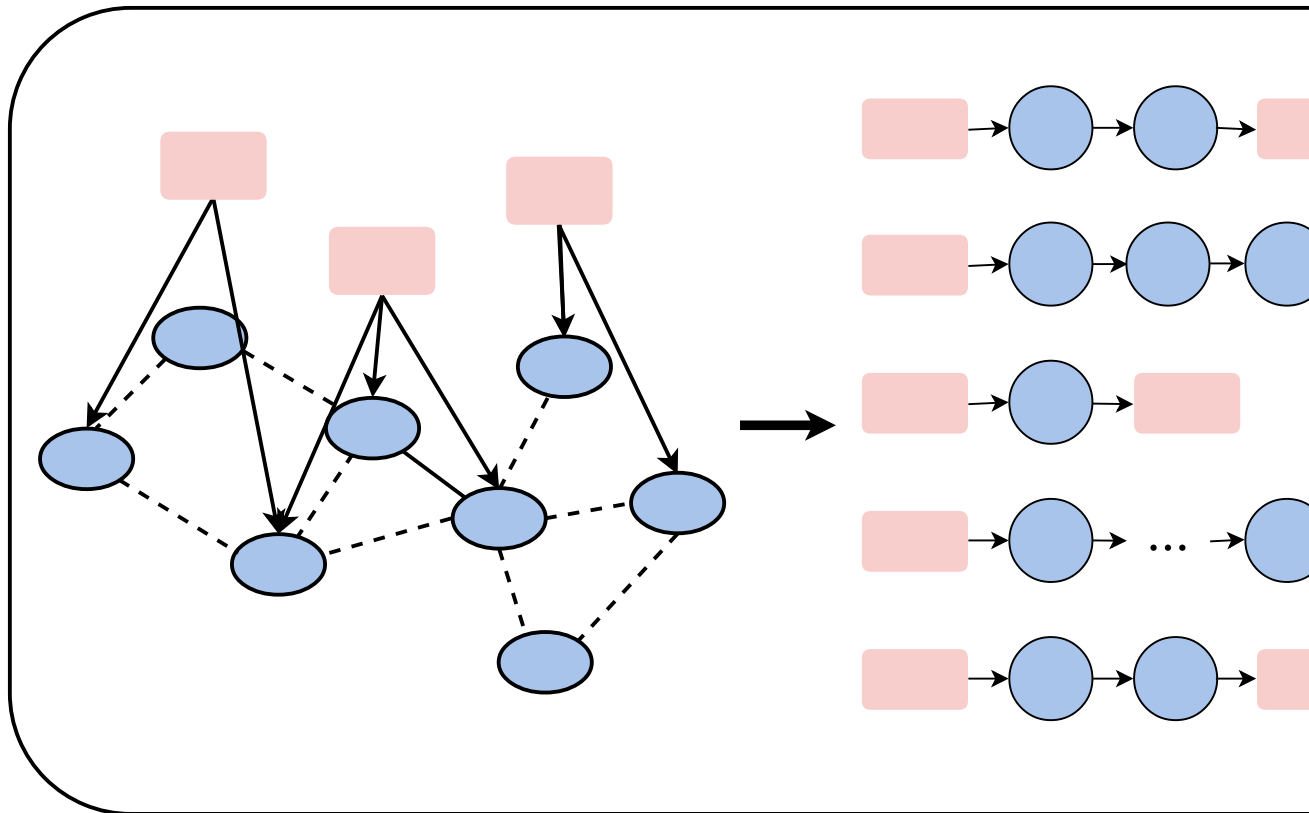
Cross E

## View Embedding Module



Entropy Objective

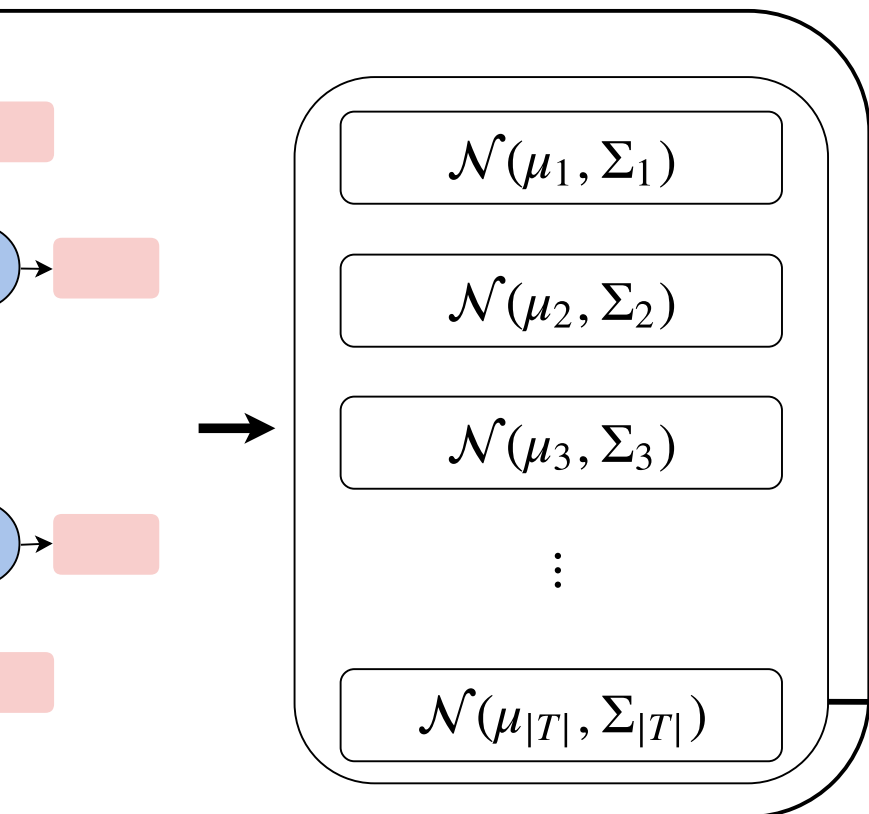
Tag View Embed



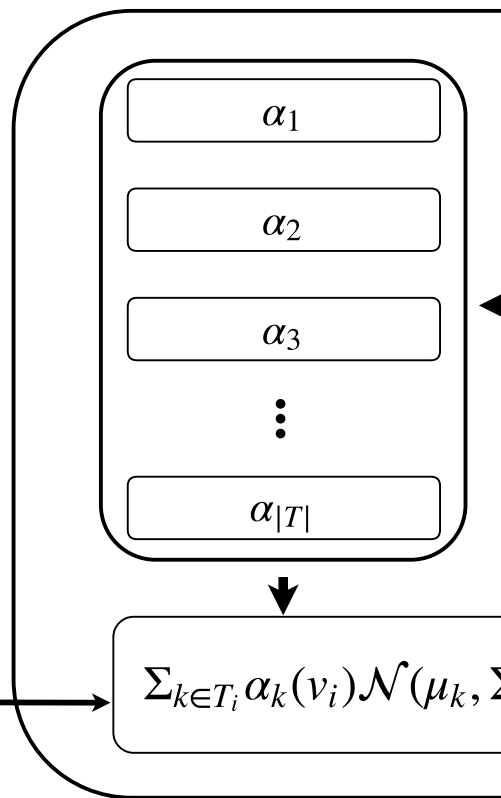
**Objective =**

Max-margin

Building Module

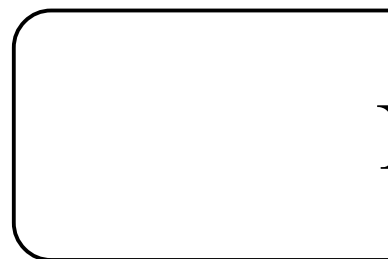


Node  $V_i$



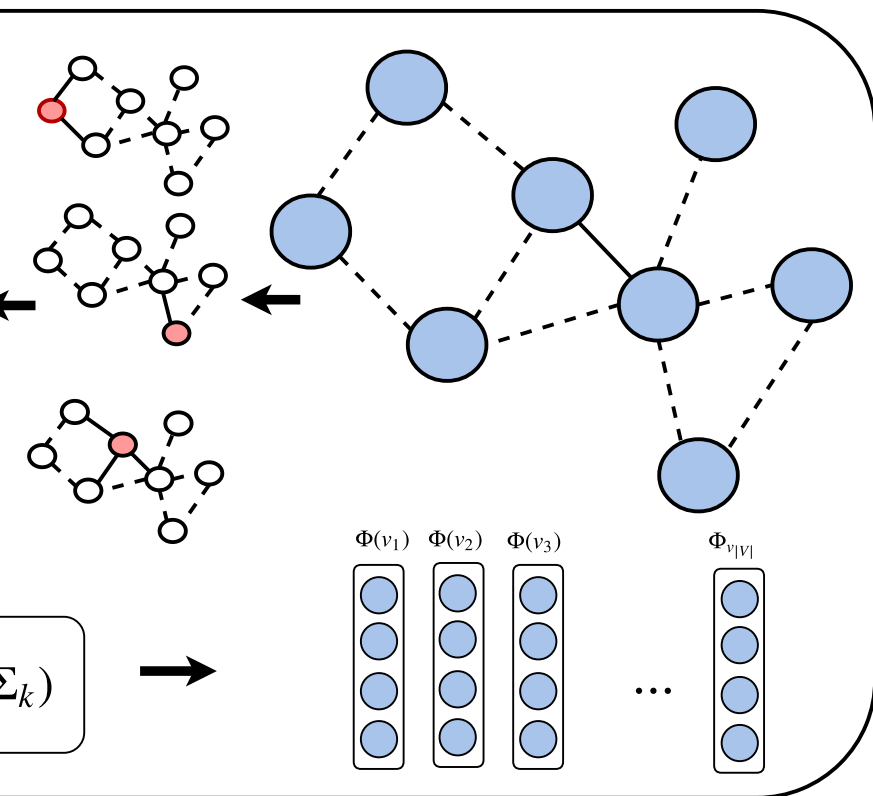
Objective

+





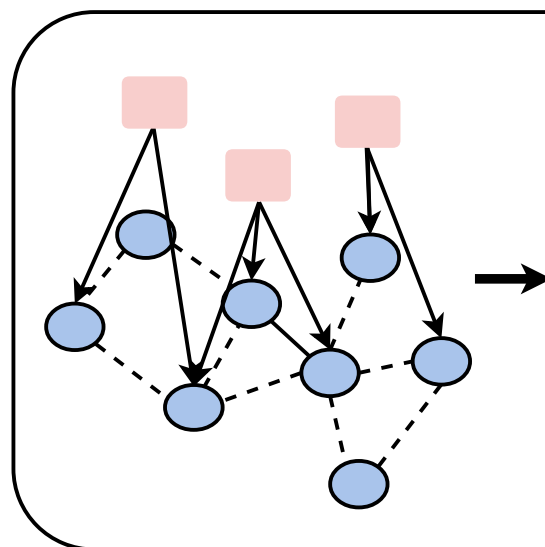
# New Embedding Module



↓

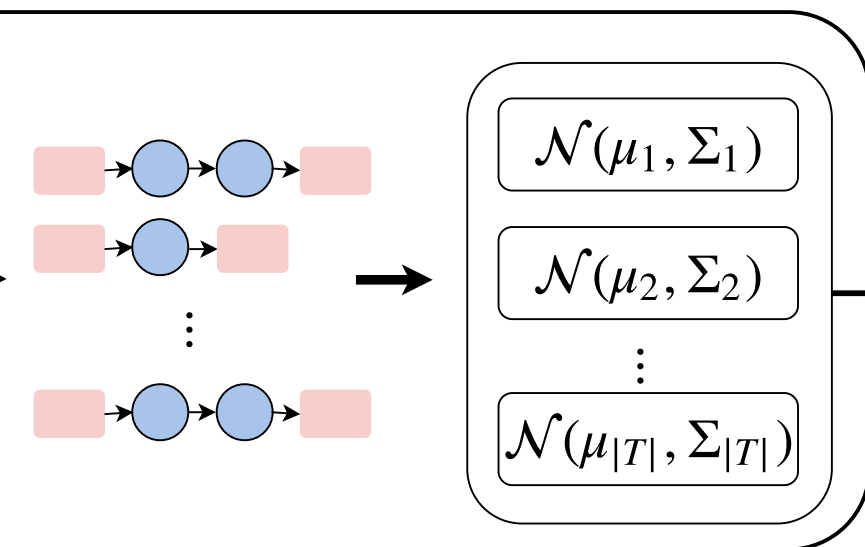
## NCE Loss

**Tag V**



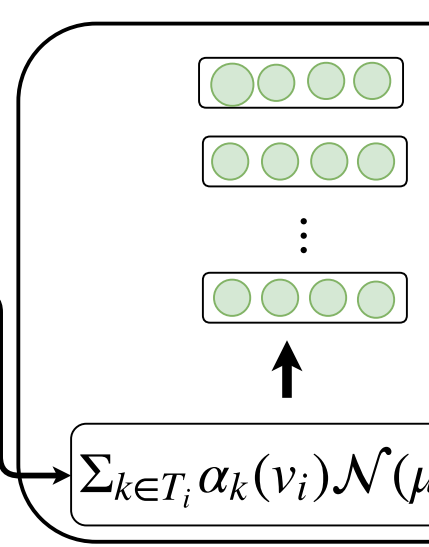
**Objective =**

# View Embedding Module



Max-Margin Objective

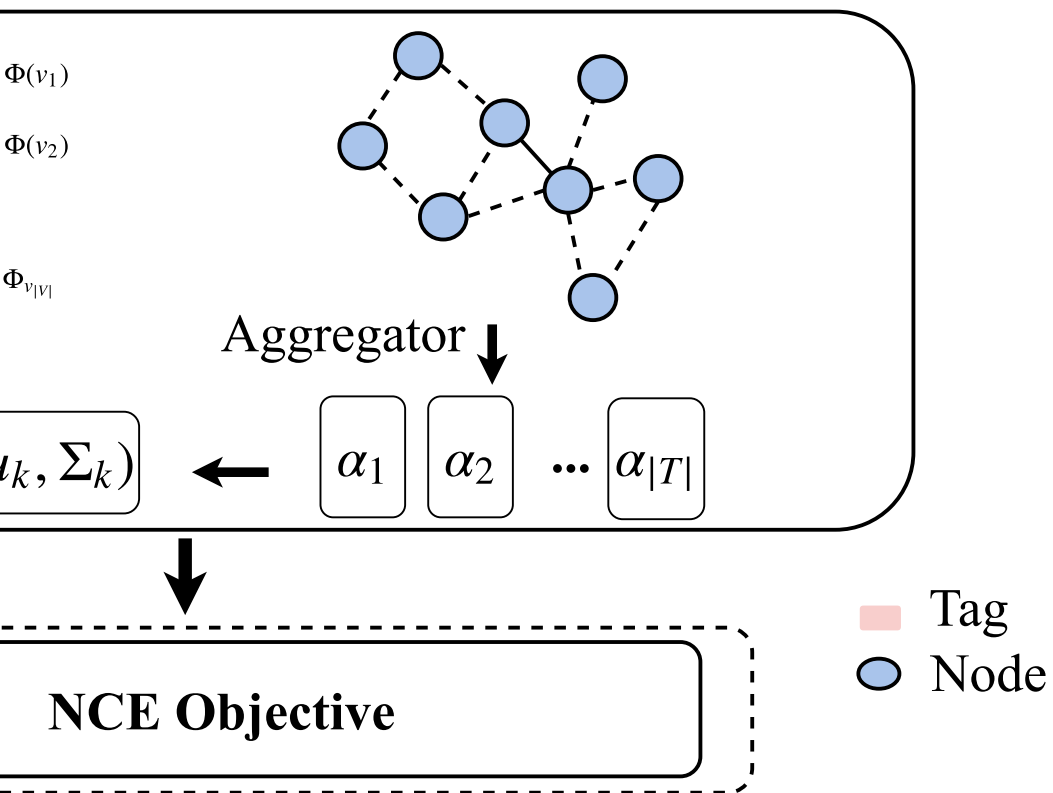
# Node Vi



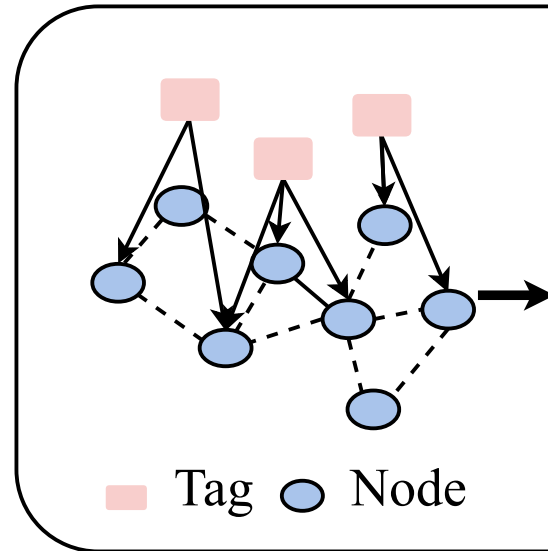
+



## View Embedding Module



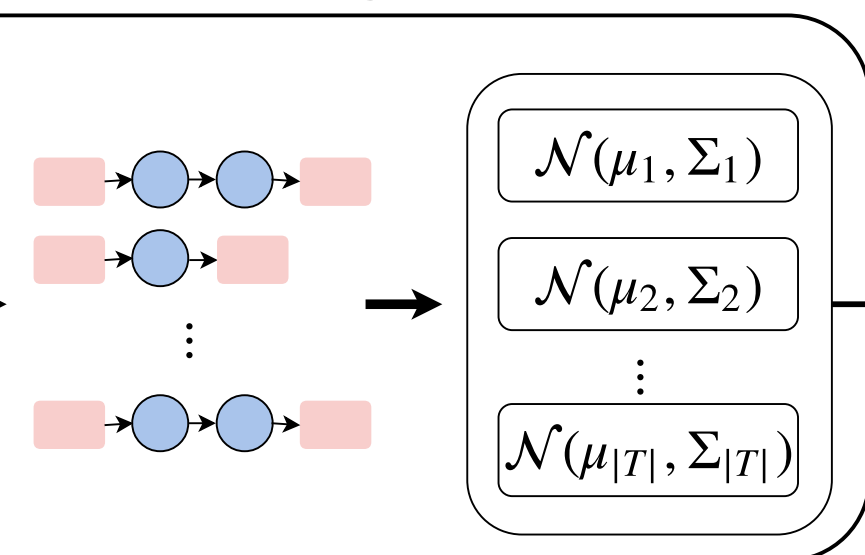
Tag V



Objective =

M

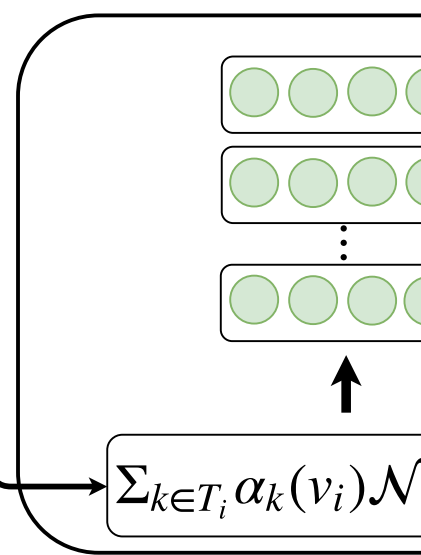
# View Embedding Module



Forward

Backward

# Node

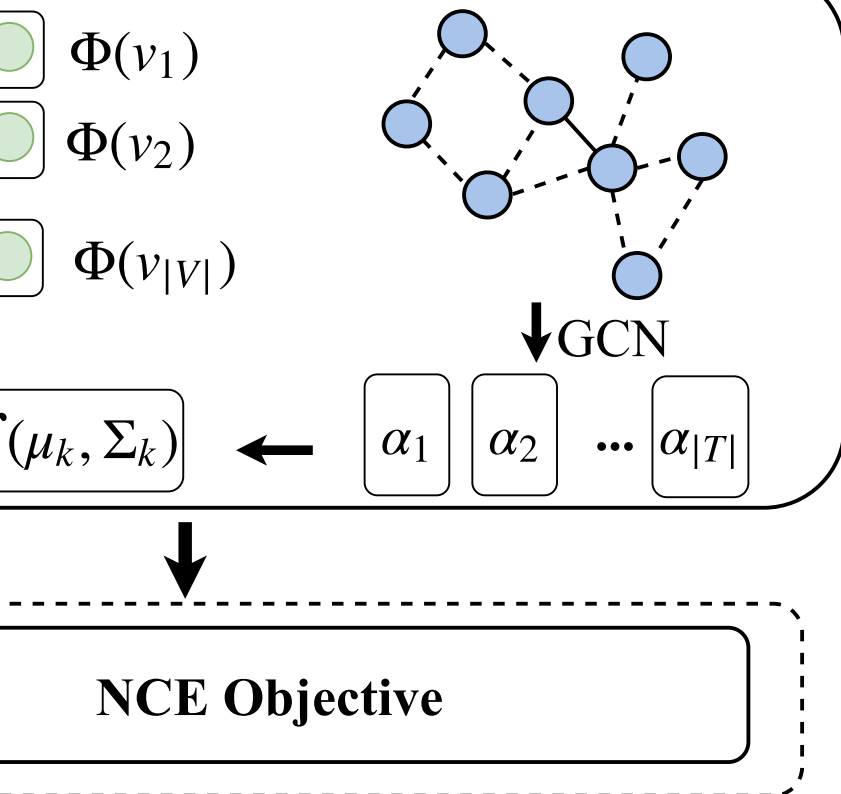


# Multi-Task Learning Module

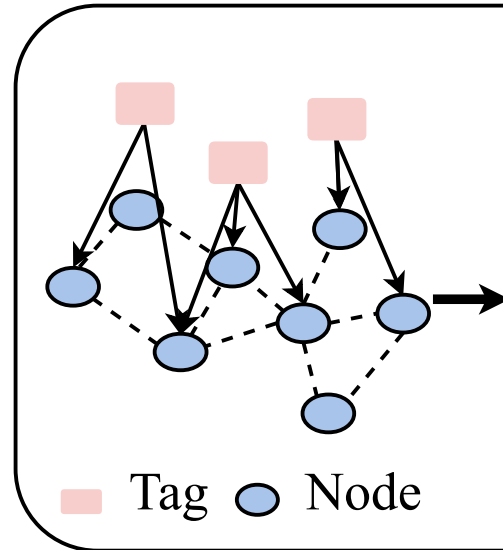
Max-Margin Ranking Objective

+

## View Embedding Module



Tag V

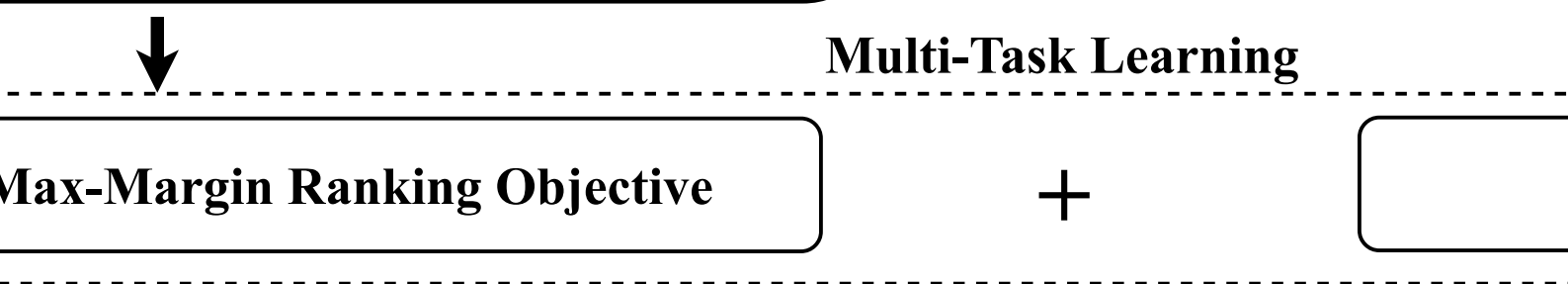
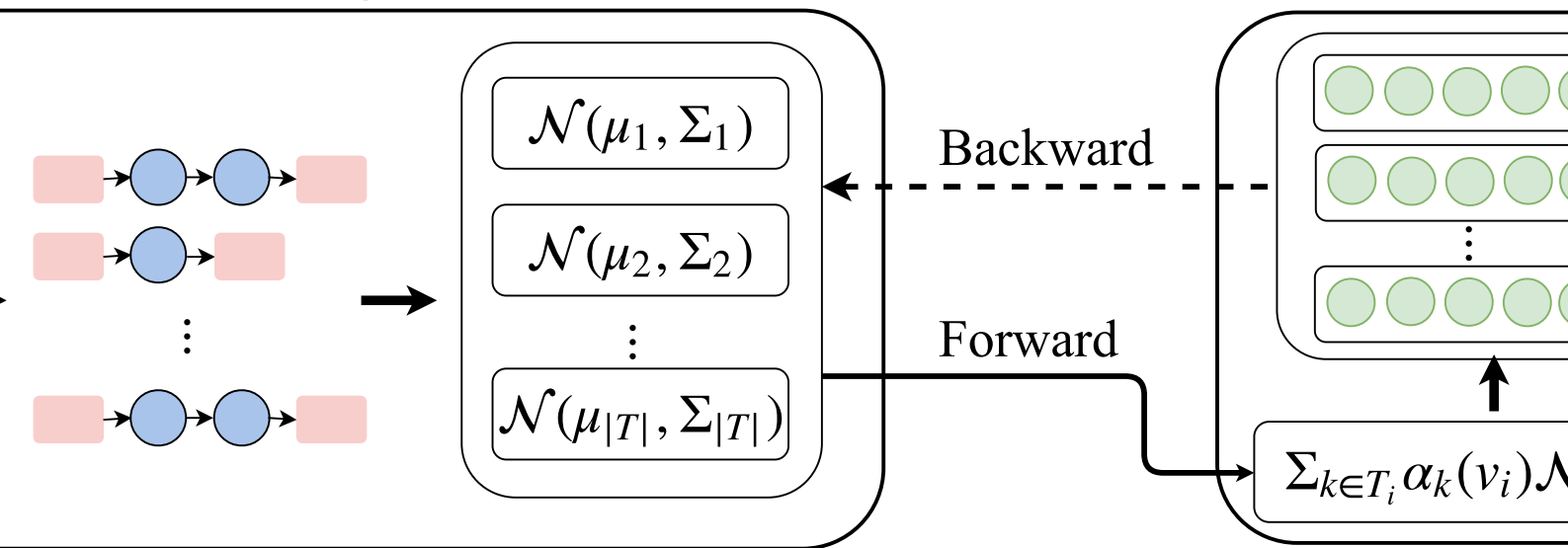


Objective =

M



# View Embedding Module



## le View Embedding Module

