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| **Symbol** | **Description** |
|  | The set of nodes and links of the network topology |
|  | The set of content providers, CDN servers and the viewers |
|  | The set of time slots |
|  | The available bandwidth resource of the link at time |
|  | The set of different pieces of video content. |
|  | FoV prediction of viewer |
|  | The ground truth FoV of viewer |
|  | The set of different resolutions for each tile |
|  | The viewer’s bitrate request for a specific frame |
|  | The t-slot shifted time of a node pair |
|  | The set of local FoV records for all viewers |
|  | The set of local FoV records for viewer |
|  | The set of resolution matrix of different tiles in FoV for all viewers |
|  | Risk function |
|  | Return function |
|  | Action-value function |
|  | State-value function |