|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Scheme | supports the whole life cycle management | Whether a lot of calculation is needed | supports protection of different types of files | Whether the data storage on the link needs to pay fee | supports smart contract |
| BMCProtector [27] |  | √ |  | √ |  |
| Literature [35] |  | √ |  |  |  |
| DotBlockchain [39] |  |  |  |  |  |
| Literature [41] |  | √ |  |  |  |
| This scheme | √ |  | √ |  |  |