|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 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 | √ | $$×$$ | √ | $$×$$ | $$√$$ |