|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 电路名 | 规模 | 直接压缩 | 哈达码变换 | kmeans++ |
| S5378 | 111\*214 | 47.98 | 67.51 | 68.43 |
| S9234 | 159\*247 | 43.61 | 66.19 | 66.39 |
| S13207 | 236\*700 | 81.31 | 89.65 | 91.69 |
| S15850 | 126\*611 | 66.21 | 80.66 | 81.88 |
| S38417 | 99\*1664 | 43.27 | 72.44 | 73.04 |
| S38584 | 136\*1464 | 60.93 | 75.99 | 75.09 |
| 平均 |  | 57.22 | 75.41 | 76.08 |

FDR编码压缩率（kmeans++）

EFDR编码压缩率（kmeans++）

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 电路名 | 规模 | 直接压缩 | 哈达码变换 | Kmeans++ |
| S5378 | 111\*214 | 53.67 | 64.50 | 65.60 |
| S9234 | 159\*247 | 48.66 | 62.74 | 62.71 |
| S13207 | 236\*700 | 82.49 | 88.89 | 90.95 |
| S15850 | 126\*611 | 68.66 | 78.67 | 78.88 |
| S38417 | 99\*1664 | 62.02 | 71.63 | 71.71 |
| S38584 | 136\*1464 | 64.28 | 73.45 | 74.69 |
| 平均 |  | 63.30 | 73.30 | 74.09 |

VIHC编码

压缩率（kmeans++）

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 电路名 | 规模 | 直接压缩 | 哈达码变换 | Kmeans++ |
| S5378 | 111\*214 | 51.75 | 69.63 | 70.78 |
| S9234 | 159\*247 | 47.23 | 69.58 | 70.12 |
| S13207 | 236\*700 | 83.55 | 92.20 | 93.74 |
| S15850 | 126\*611 | 67.97 | 82.96 | 83.30 |
| S38417 | 99\*1664 | 53.39 | 74.79 | 75.74 |
| S38584 | 136\*1464 | 62.30 | 78.11 | 79.50 |
| 平均 |  | 61.03 | 77.89 | 78.86 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 电路名 | 规模 | 直接压缩 | 哈达码变换 | Kmeans++ |
| S5378 | 111\*214 | 37.11 | 58.76 | 59.64 |
| S9234 | 159\*247 | 45.26 | 61.31 | 61.73 |
| S13207 | 236\*700 | 67.60 | 72.21 | 72.72 |
| S15850 | 126\*611 | 58.01 | 67.80 | 68.14 |
| S38417 | 99\*1664 | 28.38 | 62.32 | 64.03 |
| S38584 | 136\*1464 | 54.18 | 65.76 | 66.59 |
| 平均 |  | 48.42 | 64.69 | 65.48 |

哥伦布

压缩率（kmeans++）

AFDR编码

ALhummann

压缩率（kmeans++）

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 电路名 | 规模 | 直接压缩 | 哈达码变换 | Kmeans++ |
| S5378 | 111\*214 | 49.95 | 61.62 | 63.54 |
| S9234 | 159\*247 | 44.96 | 58.31 | 58.89 |
| S13207 | 236\*700 | 80.23 | 86.52 | 90.16 |
| S15850 | 126\*611 | 65.83 | 75.76 | 76.78 |
| S38417 | 99\*1664 | 60.55 | 68.40 | 68.13 |
| S38584 | 136\*1464 | 61.13 | 69.70 | 72.09 |
| 平均 |  | 60.58 | 70.06 | 71.60 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 电路名 | 规模 | 直接压缩 | 哈达码变换 | Kmeans++ |
| S5378 | 111\*214 | 52.58 | 64.02 | 66.73 |
| S9234 | 159\*247 | 47.26 | 60.33 | 63.16 |
| S13207 | 236\*700 | 82.49 | 88.71 | 92.23 |
| S15850 | 126\*611 | 67.35 | 77.33 | 79.47 |
| S38417 | 99\*1664 | 63.32 | 69.66 | 71.43 |
| S38584 | 136\*1464 | 62.40 | 71.05 | 72.91 |
| 平均 |  | 62.57 | 71.85 | 74.32 |