Raid 0 – Disk und Offset berechnen

D0	D1	D2	D3
0	3	6	9
1	4	7	10
2	5	8	11
12	15	18	21
13	16	19	22
14	17	20	23

1. Disk: $\left\lfloor \dfrac{Adresse}{chunksize} \right\rfloor$ mod Diskanzahl

$$\left\lfloor \frac{19}{3} \right\rfloor \bmod 4 = \underline{2}$$

2. Offset Disk: $\left\lfloor \dfrac{19}{3} \right\rfloor / 4 = \underline{1}$

3. Offset Chunk: Adresse mod chunksize

$$19 \bmod 3 = \underline{1}$$

	RAID-0	RAID-1	RAID-4	RAID-5
Capacity	N	N/2	N-1	N-1
Reliability	0	1 (for sure) N/2 (if lucky)	1	1
Throughput				
Sequential Read	N · S	½N · S	(N-1) · S	(N-1) · S
Sequential Write	N · S	½N · S	(N-1) · S	(N-1) · S
Random Read	N · R	N · R	(N-1) · R	N · R
Random Write	N · R	½N · R	½R	¼N · R
Latency				
Read	D	D	D	D
Write	D	D	2D	2D