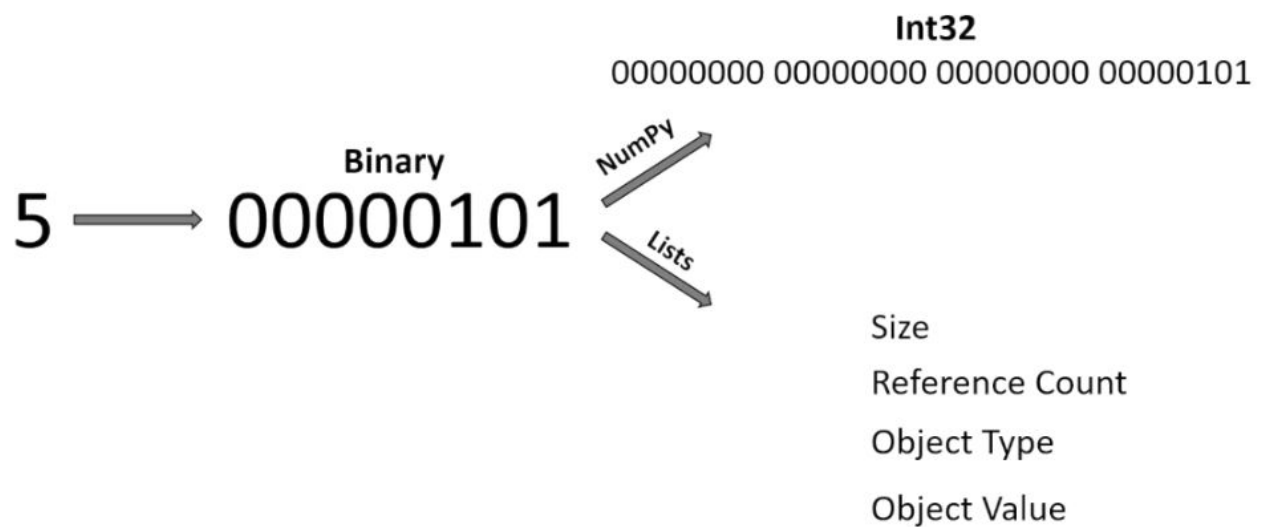


Why is NumPy Faster? - Fixed Type

3	1	2	4
5	7	1	2
4	1	0	1

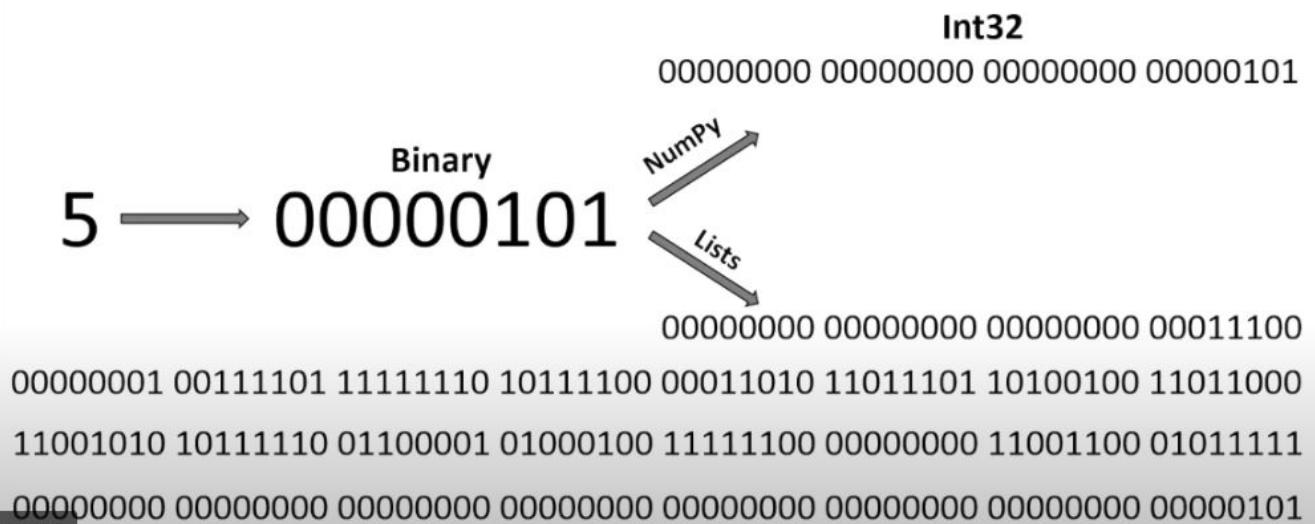


Why is NumPy Faster? - Fixed Type



lists need to store much more information to store same integer by using built-in int type.

Why is NumPy Faster? - Fixed Type



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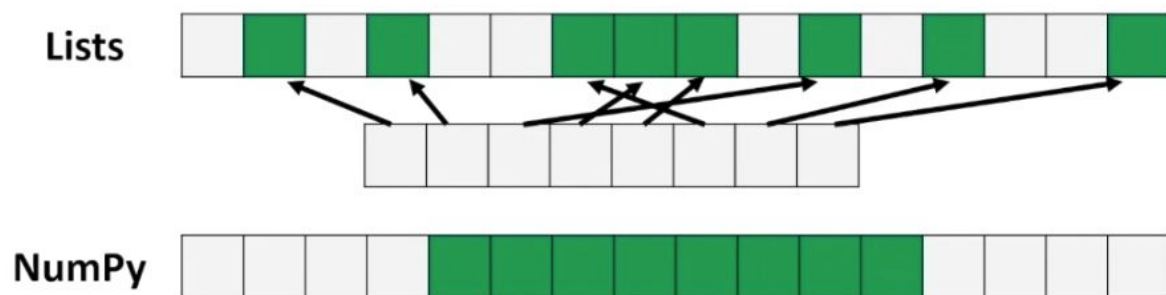
4:18 / 58:10



YouTube



Why is NumPy Faster? - Contiguous Memory



Benefits:

- SIMD Vector Processing
- Effective Cache Utilization



SIMD : Single instruction multiple data : for eg, we can perform an action on multiple elements like addition, etc.

