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(LRU cache ts)

---- map solution

<https://medium.com/sparkles-blog/a-simple-lru-cache-in-typescript-cba0d9807c40> use

<https://gist.github.com/dherges/86012049be7b1263b2e594134ff5816a>

----- double linkedlist solution

<https://blog.nordible.com/Least-recently-used-cache-in-typescript/> use

(LRU cache js)

---- map solution

<https://stackoverflow.com/questions/996505/lru-cache-implementation-in-javascript> use

----- double linkedlist solution

<https://medium.com/dsinjs/implementing-lru-cache-in-javascript-94ba6755cda9>

<https://dev.to/udayvunnam/implementing-lru-cache-in-javascript-3c8g>

<http://progressivecoder.com/lru-cache-implementation-using-javascript-linked-list-and-objects/> good

<https://learnjswith.me/implement-an-lru-cache-in-javascript/>

<https://chrisrng.svbtle.com/lru-cache-in-javascript>

(object is possibly 'null')

<https://stackoverflow.com/questions/40349987/how-to-suppress-error-ts2533-object-is-possibly-null-or-undefined>

<https://github.com/Microsoft/TypeScript/issues/25785>

<https://riptutorial.com/typescript/example/5588/strict-null-checks-in-action> (use --strictNullChecks)

(Cannot find name 'Map'. Do you need to change your target library? Try changing the `lib` compiler option to es2015 or later.)

<https://github.com/DefinitelyTyped/DefinitelyTyped/issues/29172>

<https://stackoverflow.com/questions/39416691/webpack-ts2304-cannot-find-name-map-set-promise>

(compile typescript in es6)

<https://www.typescriptlang.org/docs/handbook/compiler-options.html>

<https://stackoverflow.com/questions/30439869/how-do-i-transpile-typescript-to-es6> use