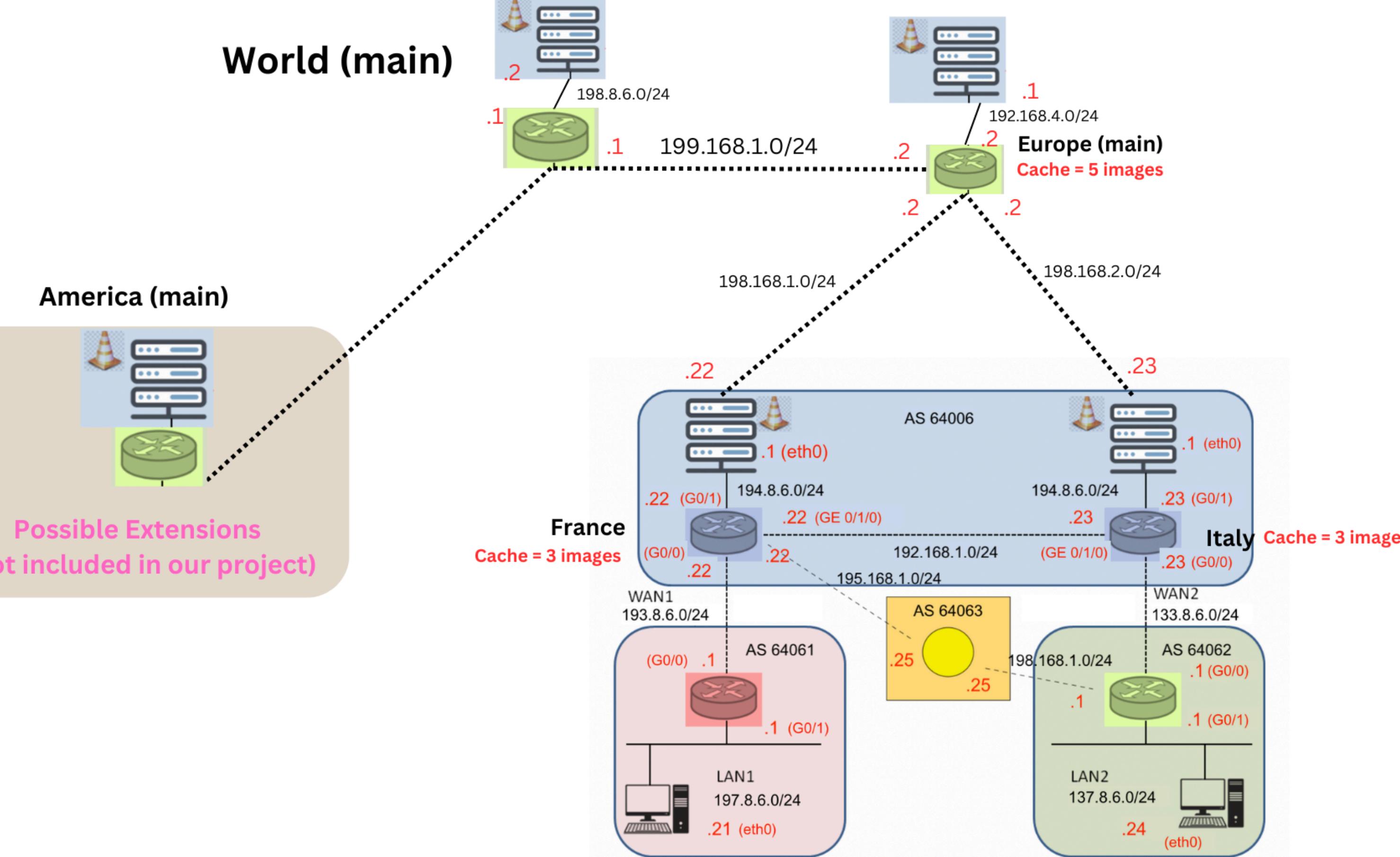
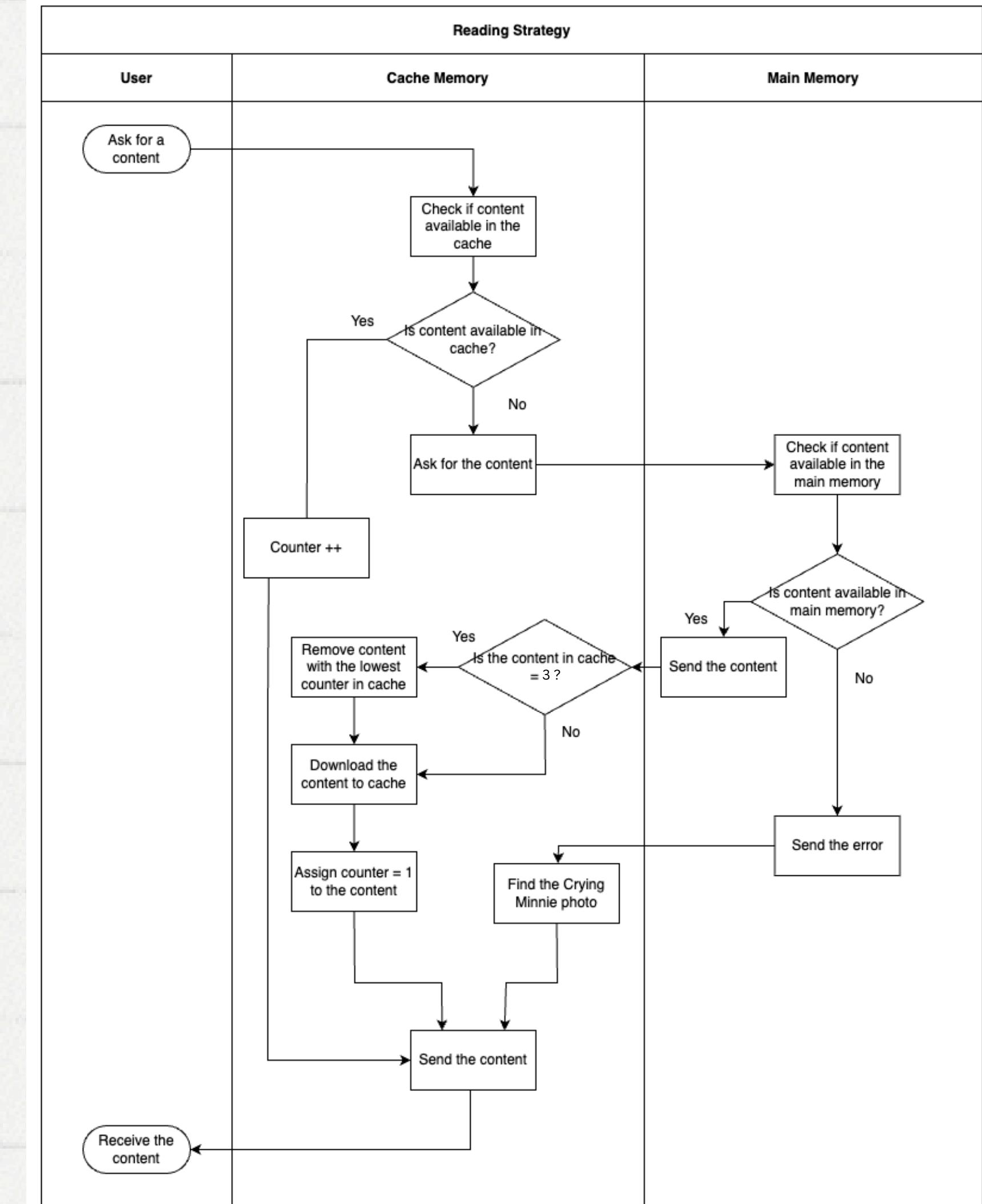


Cache Strategies

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- This is the flowchart illustrating the relationship between the country's cache memory and the continent's cache memory.
- The same concept applies to the relationship between the continent's cache and the world's main memory.
- However, we need to adjust the cache memory limit, and instead of ending with the 'crying Minnie' photo, we will send the error code back to the country's cache.



Cache strategies



Read through + Least Frequently Recently Used

- The user will request the cache memory for the content.
- If the content exists in the cache memory, it will be provided to the user, and its counter will be incremented.
- If the content is not in the cache memory, the cache memory will fetch it from the main memory.
- If the request is nonsensical, the main memory will reply with an error message.
- Otherwise, the cache memory will download the content from the main memory and set its counter to 1.
- If the cache memory is already full, it will remove the image with the lowest counter and least recently used before downloading the new image.