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(b)(3)
(b)(6)

12 October 1965

MEMORANDUM FOR: NSA COMOR Member

SUBJECT: Re-Evaluation of Satellite SIGINT
Intelligence Requirements

1. The attached is self-explanatory except insofar as the contribution of NSA is concerned. It is our intention that you concentrate on the Communications Intelligence (COMINT) requirements and treat the Electronics Intelligence (ELINT) section on a more casual basis. It is self-evident that you have sufficient inhouse expertise to permit you to restudy the ELINT submission in depth and to report at length. This is not desired at this time. Your comments along the lines of those requested in the attached memorandum will of course be helpful if they are designed to focus attention on inconsistencies or can help narrow down the number of highest priority tasks.

2. It is expected that the principal contribution of NSA in the ELINT area will come at the point when the answers requested in the attachment have been further analyzed by the Cost-Effectiveness Task Force (CETF). At this juncture the essential input of NSA will be to advise on:

a. The cost of processing, graded if possible in accordance with the priorities established and agreed to by the CETF.

b. The cost of the end product in the form and quantity requested by the consumers.

TS/

William A. Tidwell
Chairman
Committee on Overhead Reconnaissance

Attach

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APPROVED FOR RELEASE
DATE: 06-Jul-2011

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*filed with
COMOR-D-6945
(COMOR Gen)*

12 October 1965

MEMORANDUM FOR: Cost-Effectiveness Task Force Consultants

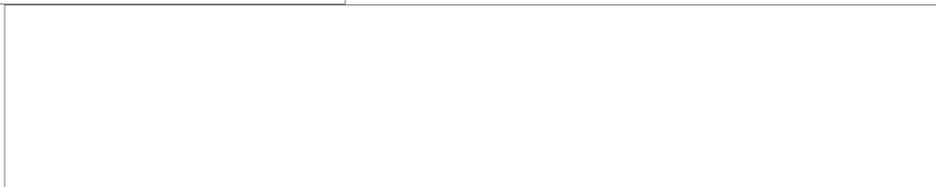
SUBJECT: Re-Evaluation of Satellite SIGINT
Intelligence Requirements

It is hoped that the attached memoranda are self-explanatory and that it may be possible to meet the schedule as outlined in paragraph 5 of the memorandum for COMOR. This office will rely on Dr. Perry to arrange for the meeting of the consultants as convenient to them and will schedule the exact time of meeting of the GETF in accordance with his wishes and the convenience of the consultants but hopefully not later than 29 October.

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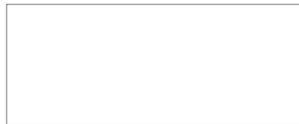
William A. Tidwell
Chairman
COMOR Cost-Effectiveness Task Force

Attachments:



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COMOR-D-69/45
(CETF-D-1/1)

7 October 1965

MEMORANDUM FOR: Committee on Overhead Reconnaissance

SUBJECT: Re-Evaluation of Satellite SIGINT
Intelligence Requirements

1. Responsive to the direction of the Board that there be a cost-effectiveness study of satellite SIGINT conducted by COMOR with the assistance of outside consultants, a Cost-Effectiveness Task Force (CETF) was organized and met for the first time on 9 June. It was the consensus of the consultants that a key to studying the requirements in better perspective might be to realign them in a format that would lend itself better to a cost-effectiveness study. The forms attached at Tab A are the product of this effort. As you will note, the format for COMINT is different from that for ELINT. The additional copies of the forms sent to you at this time are to permit you to pass them to pertinent ELINT and COMINT consumers within your area and to allow each of these to comment individually and informally.

2. This format is based on the need to identify each major intelligence objective, identify its function, and describe where possible the radiators or emitters which constitute the principal intelligence targets. Following this is identification of the intelligence gap and finally, as in COMOR-D-69/32, the technical parameters necessary to satisfy the requirement are specified.

3. All answers are to be submitted by 22 October, and some explanation may be in order as to why this paper has only a two-week deadline. We do not elicit your comments of the format chosen nor do we intend that you feel that within the time available you should produce either a new study or a detailed critique of the emitters chosen, the intelligence gaps named, or the identification parameters specified. The attached is purposely given on a limited deadline to a variety of consumers, many with quite limited requirements, with two principal objectives in mind. These are as follows:

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COMOR-D-69/45
(CETF-D-1/1)

a. In your own field and based on your own knowledge, comment frankly as to where there are other methods of collection which are more efficient or more timely, or adequate but much less costly. Where security permits it is requested that these other methods of collection be identified. It is again emphasized that it is the frank evaluation of your particular branch, division, or office which is requested. It will be one of a number of opinions and will be treated as an input to the CETF and not the opinion of an office or agency. Should you have knowledge of oncoming or operationally sensitive collection devices which could do the better job, identify these insofar as security permits.

b. Whenever it appears to you appropriate, grade the targets shown under the "Intelligence Gap" column in order of importance. As a logical complement to this specify which of the "Identification Parameters" are essential to each of these "Intelligence Gap" targets. For instance, should you consider that the prime target is "reliability," indicate which of the technical measurements are essential and at what tolerances.

4. As the principal objective of this phase of the CETF Study is to get rapid and informal responses, it is acceptable that they be returned in the form of notes on the attachments, to the extent that space permits, rather than as formal memoranda. It is requested that the replies within your area be returned to the CETF without any attempt at consolidation or revamping into an agency mold. As stated in paragraph 3a, the chief benefit of this phase of the Cost-Effectiveness Study is to receive as many comments on the need for various elements of satellite SIGINT information as can be obtained.

5. The current plan of the CETF is to proceed as follows as soon as the attached forms are returned to this office:

a. Beginning on or about 25 October, the results will be given to the consultants under the chairmanship of Dr. Perry. They will review them preliminary to

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COMOR-D-69/45
(CETF-D-1/1)

b. A CETF meeting on 27 or 28 October dedicated primarily to final determination as to the adaptability of this format as part of a cost-effectiveness study, or

c. The advisability of recasting the information received in simplified formats more pertinent to cost-effectiveness.

6. To assist you, attached to this memorandum as Annex I is an introduction to Tab A.

William A. Tidwell
Chairman

Committee on Overhead Reconnaissance

Attachments:

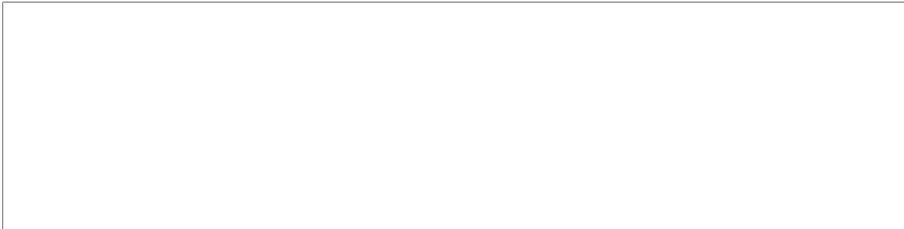
Annex I
Tab A

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As a matter of definition the following is included:

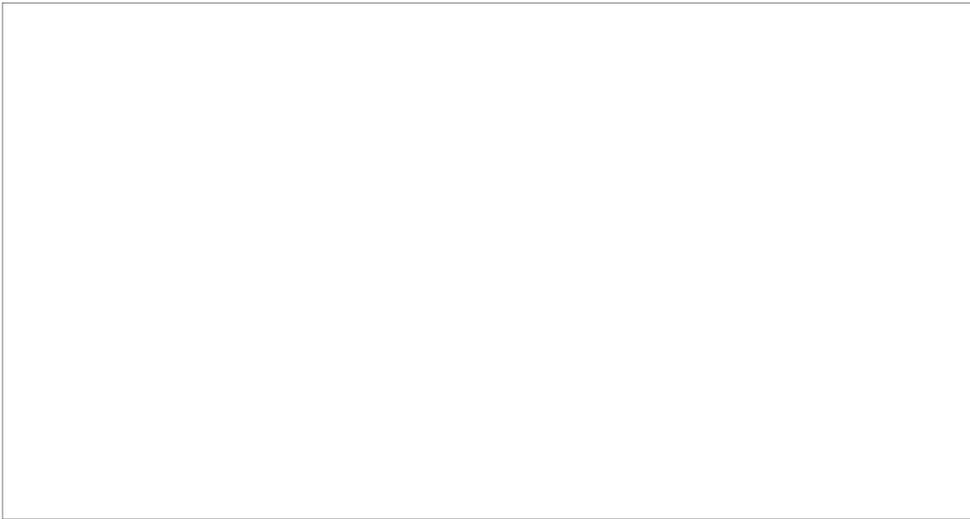


 This problem will vary widely from target to target; most important here is a close working relation between the intelligence systems analyst working with the collateral information (photography, for example) and the ELINT system designer in order intelligently to effect design compromises between what is desired and what is practical to achieve.



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COMOR-D-69/45
(CETF-D-1/1)
Annex I



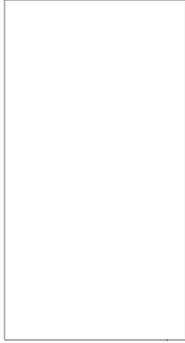
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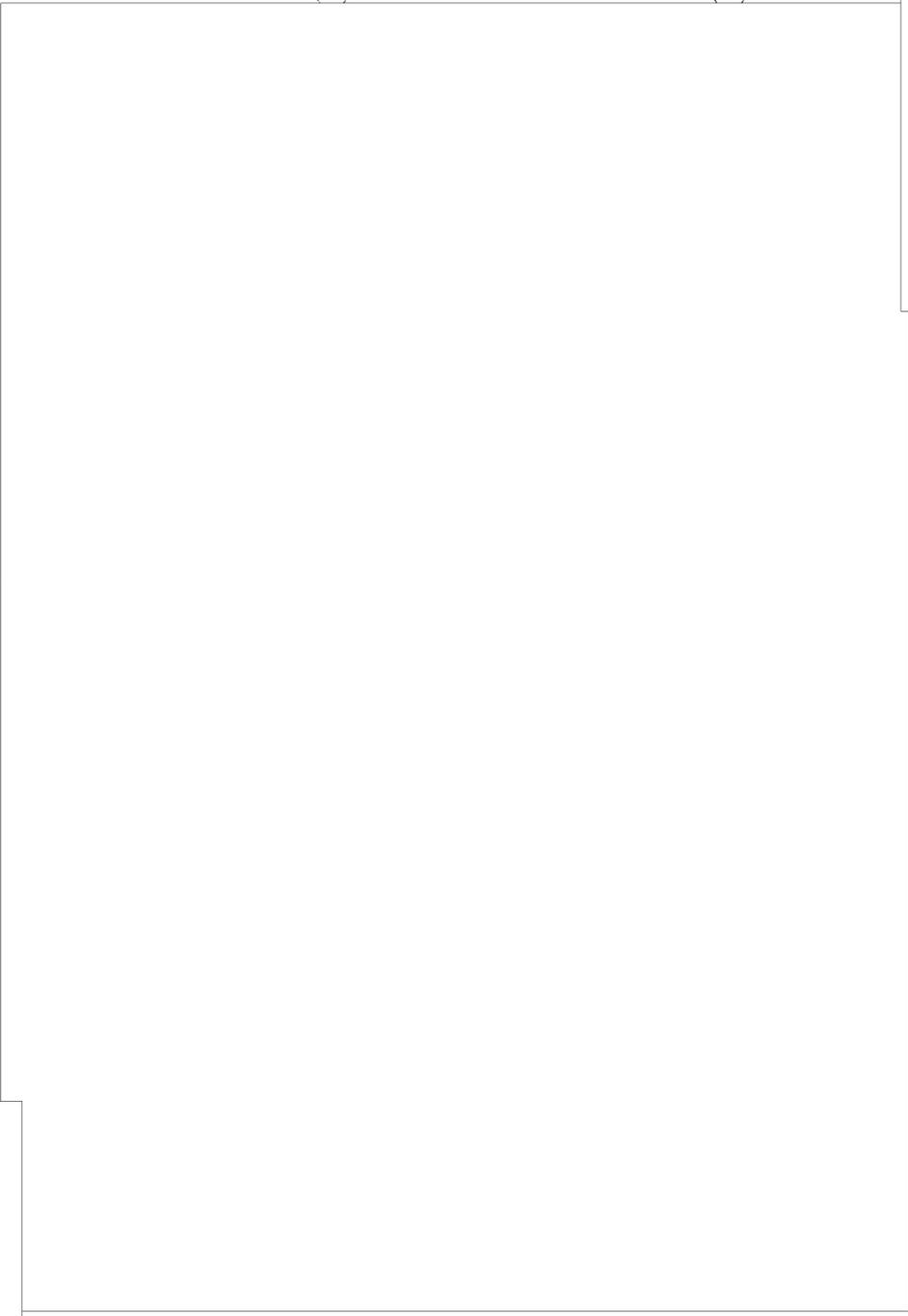
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COMMUNICATIONS INTELLIGENCE REQUIREMENTS



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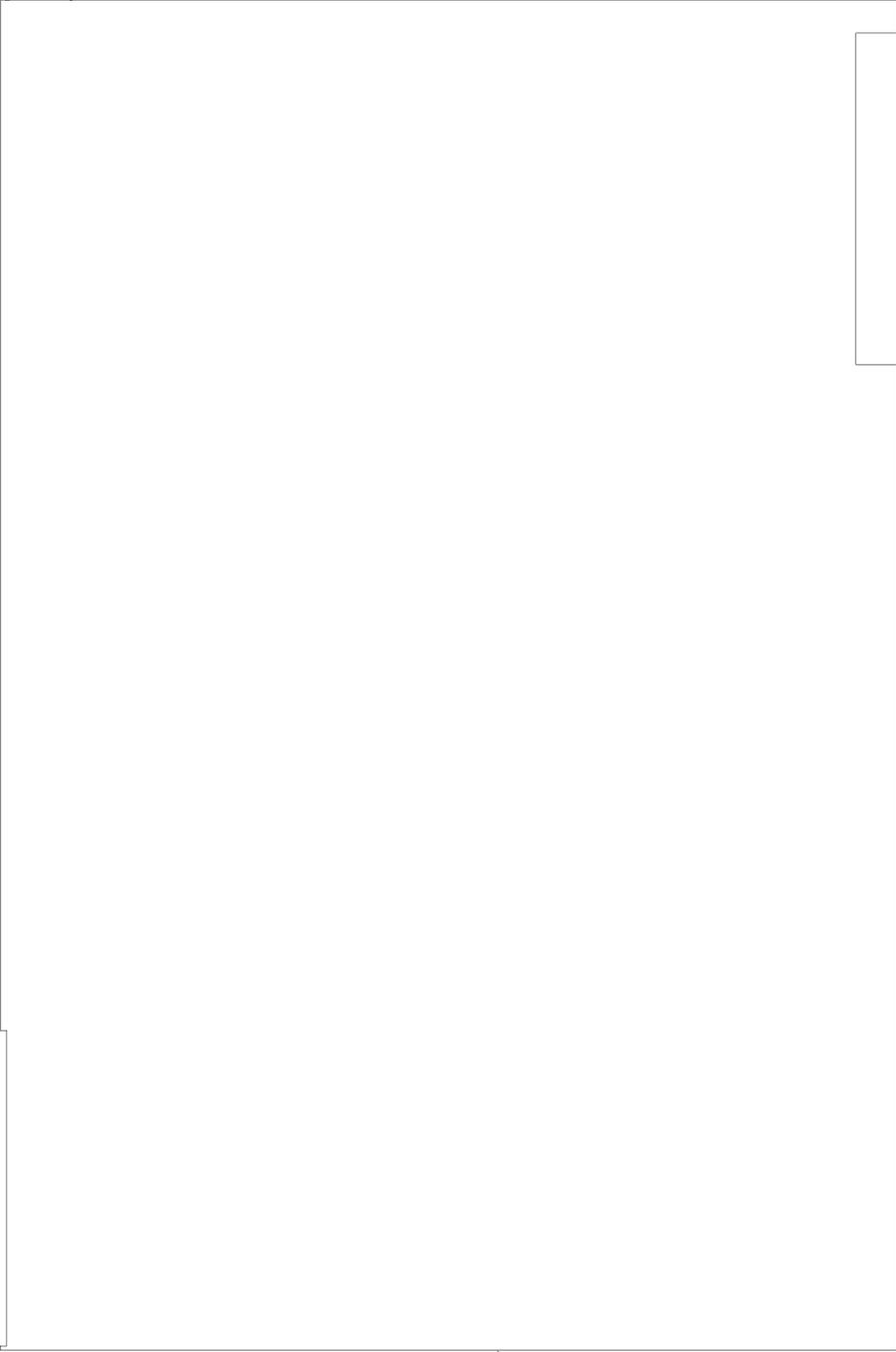
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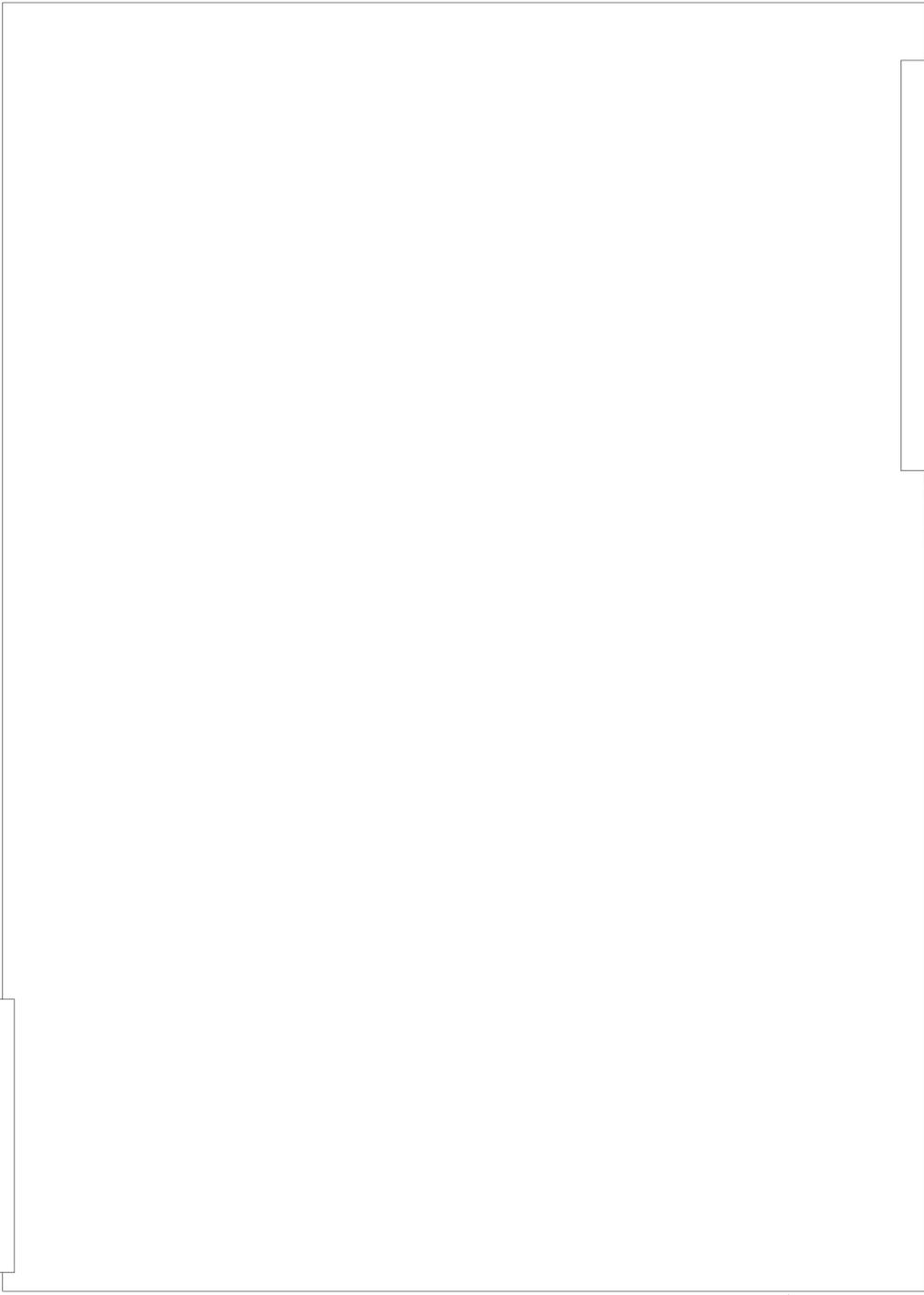


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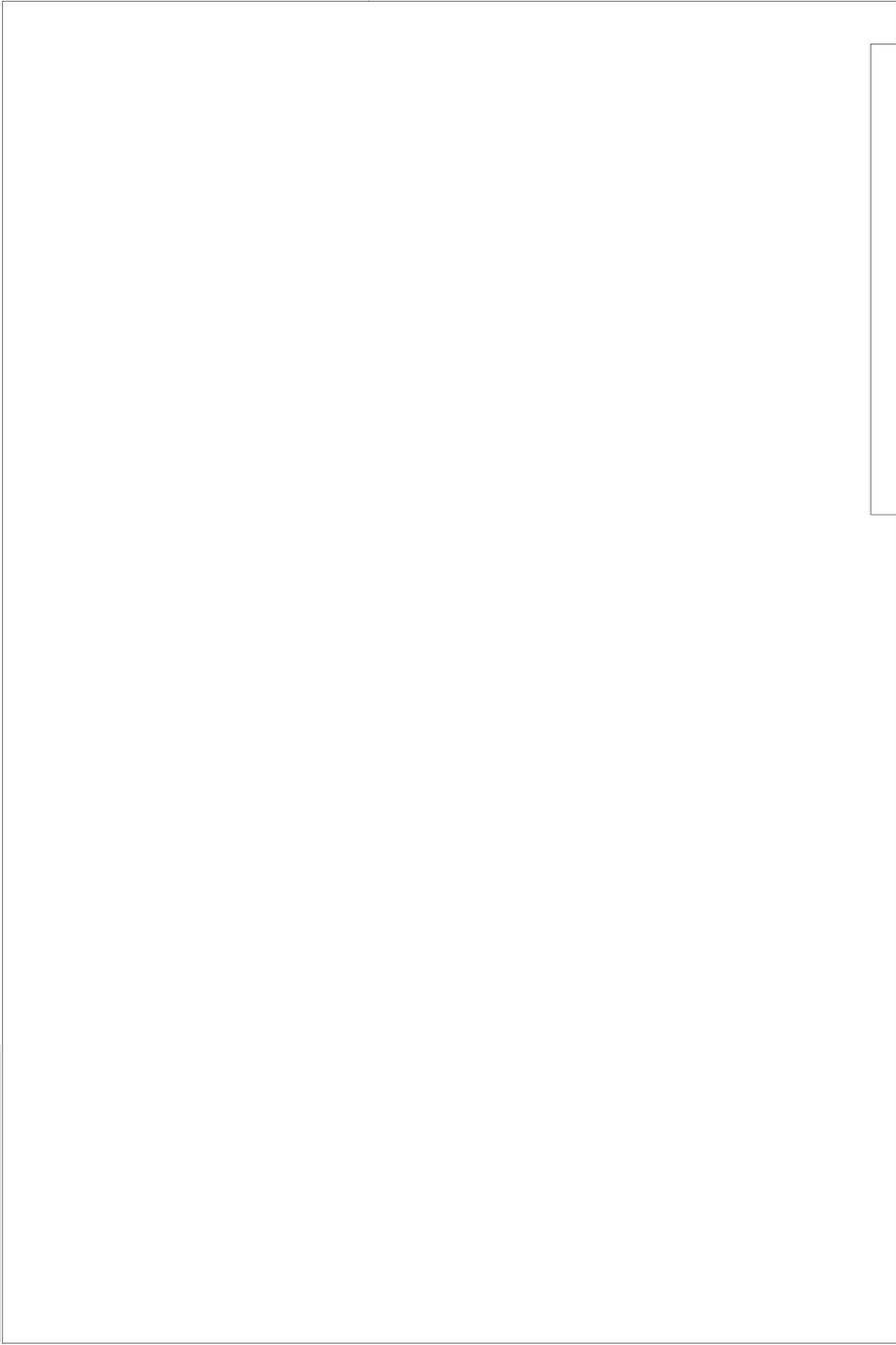


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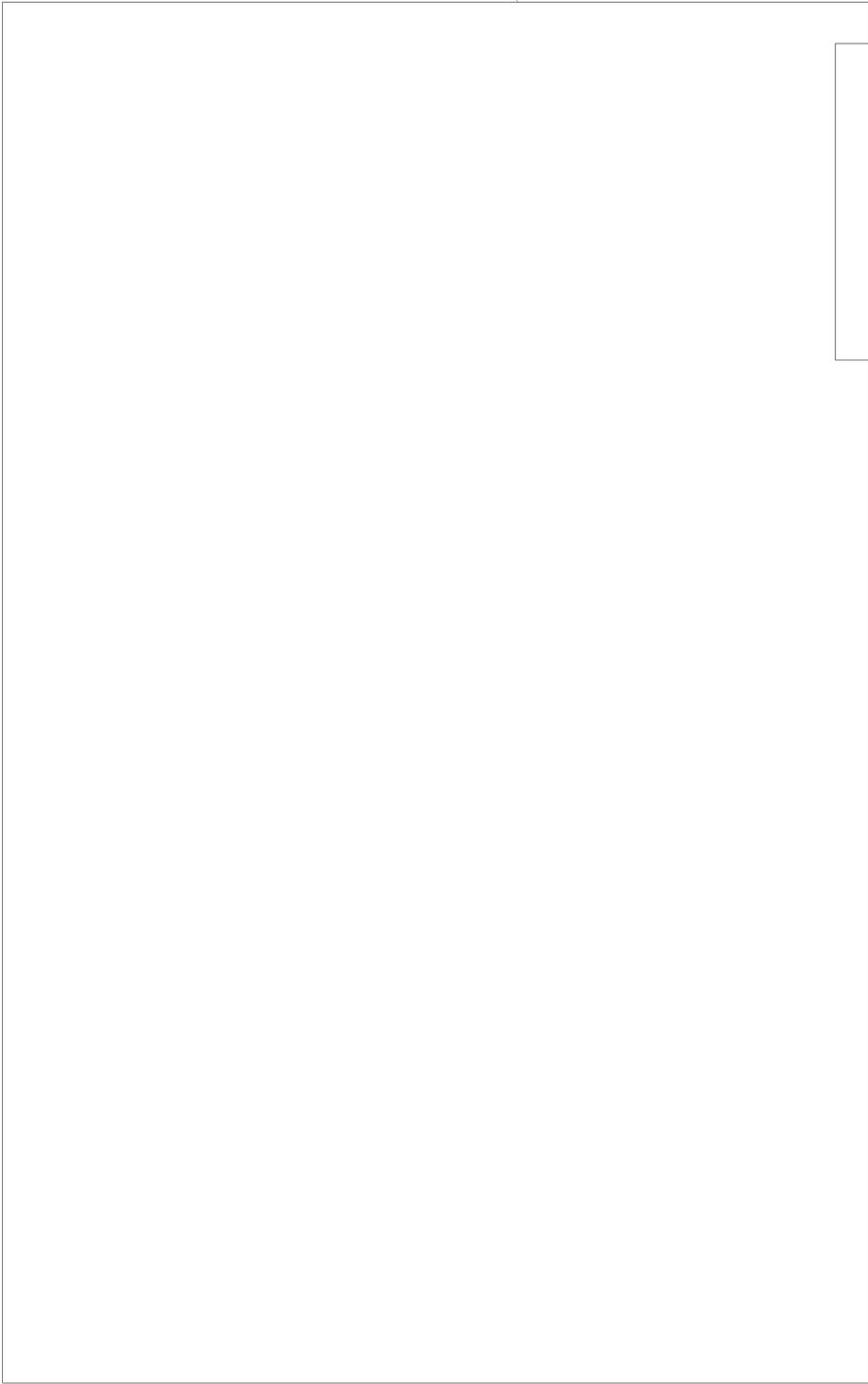
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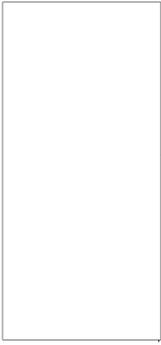
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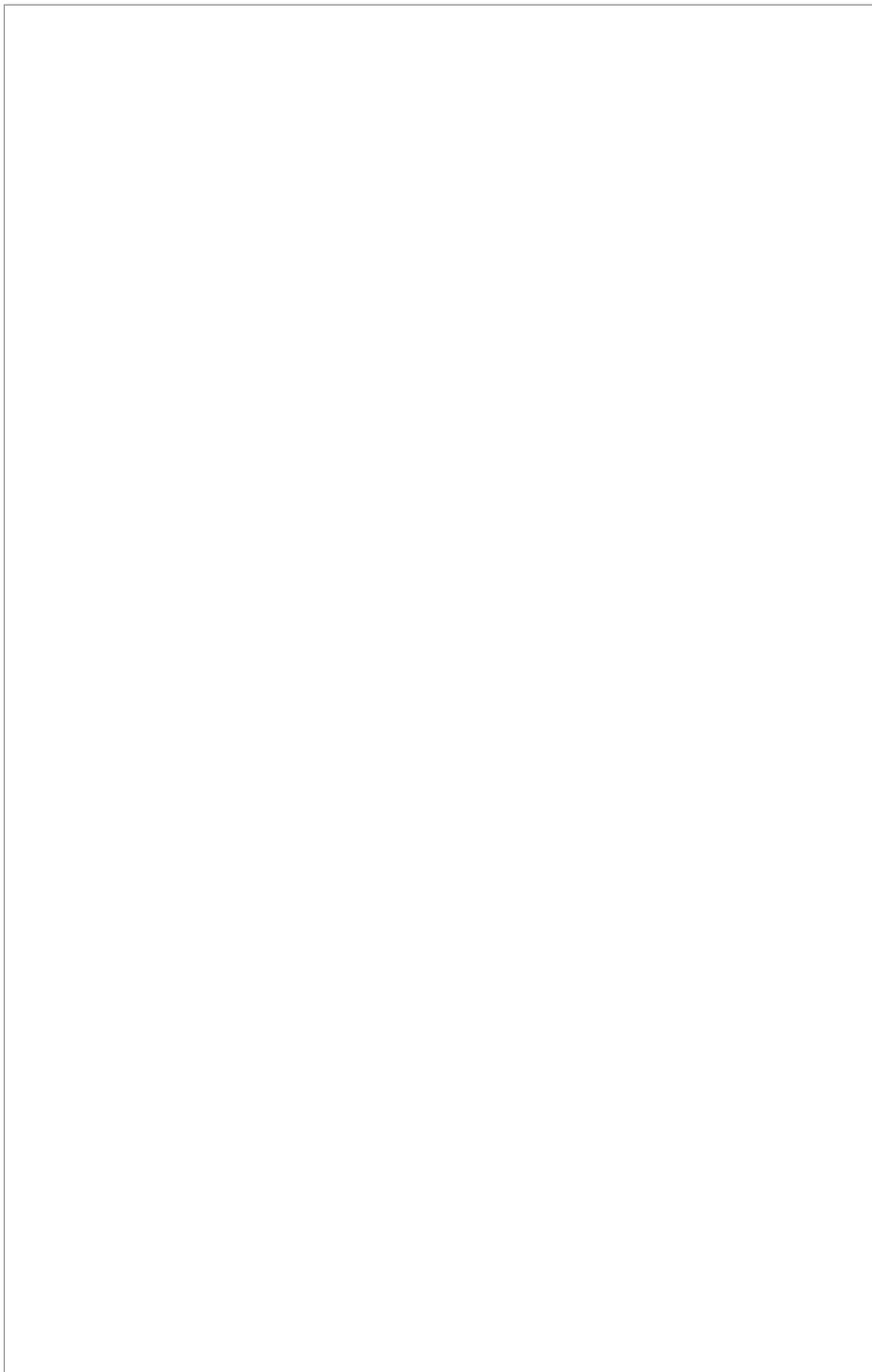


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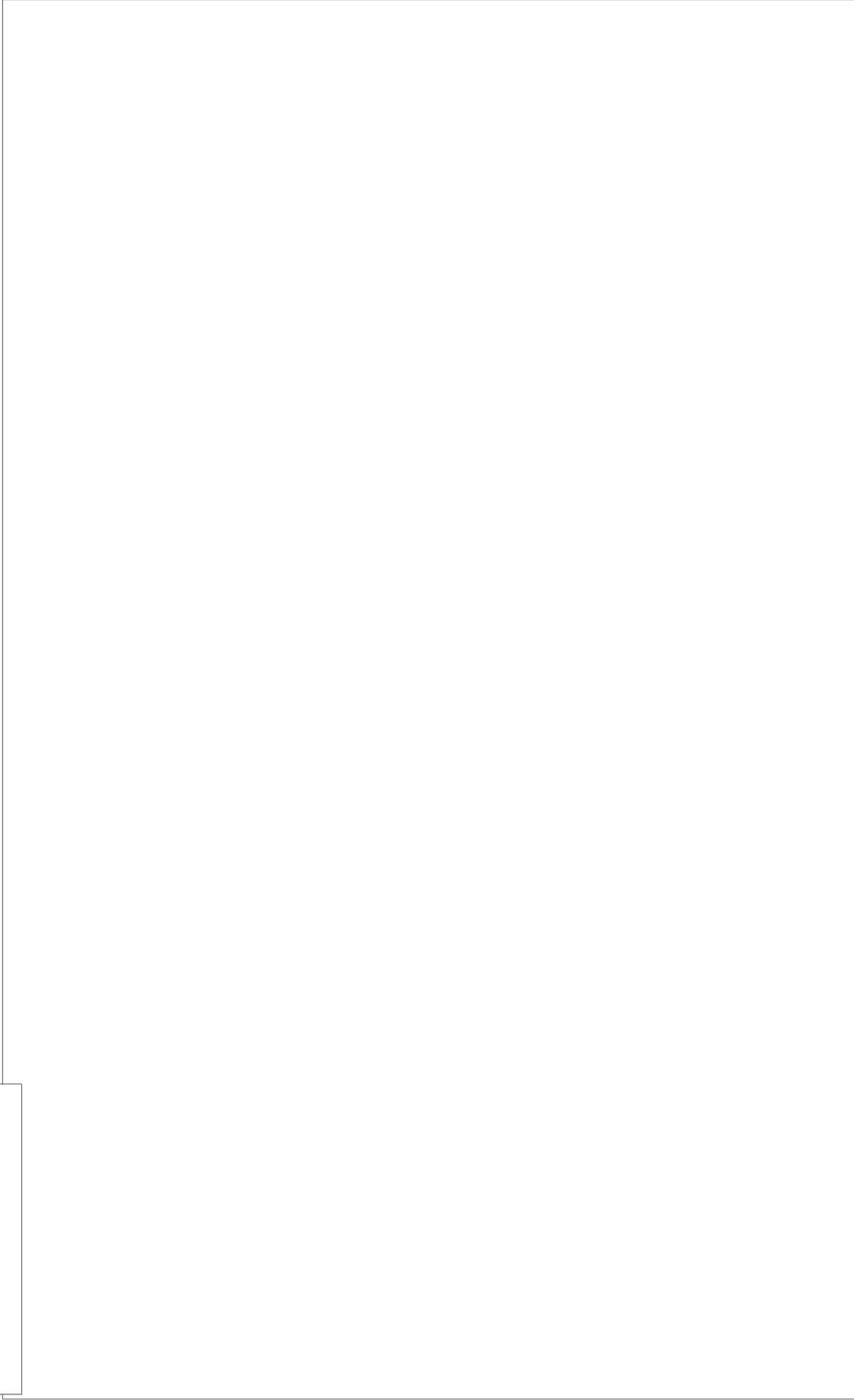


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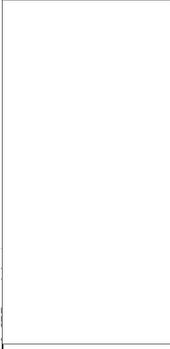
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COMOR-D-69/45
(CETF-D-1/1)



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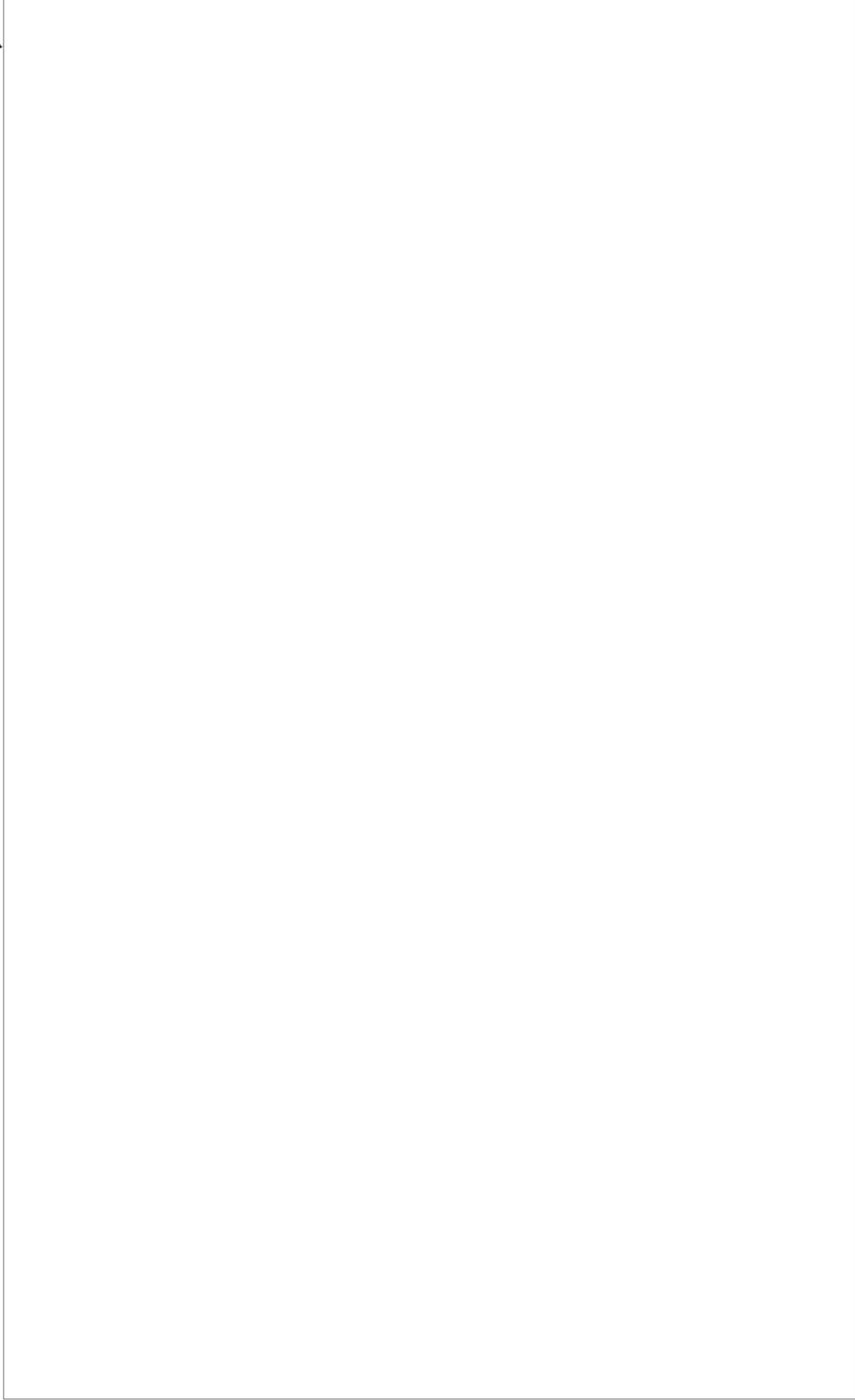
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COMOR-D-69/45
(CETF-D-1/1)



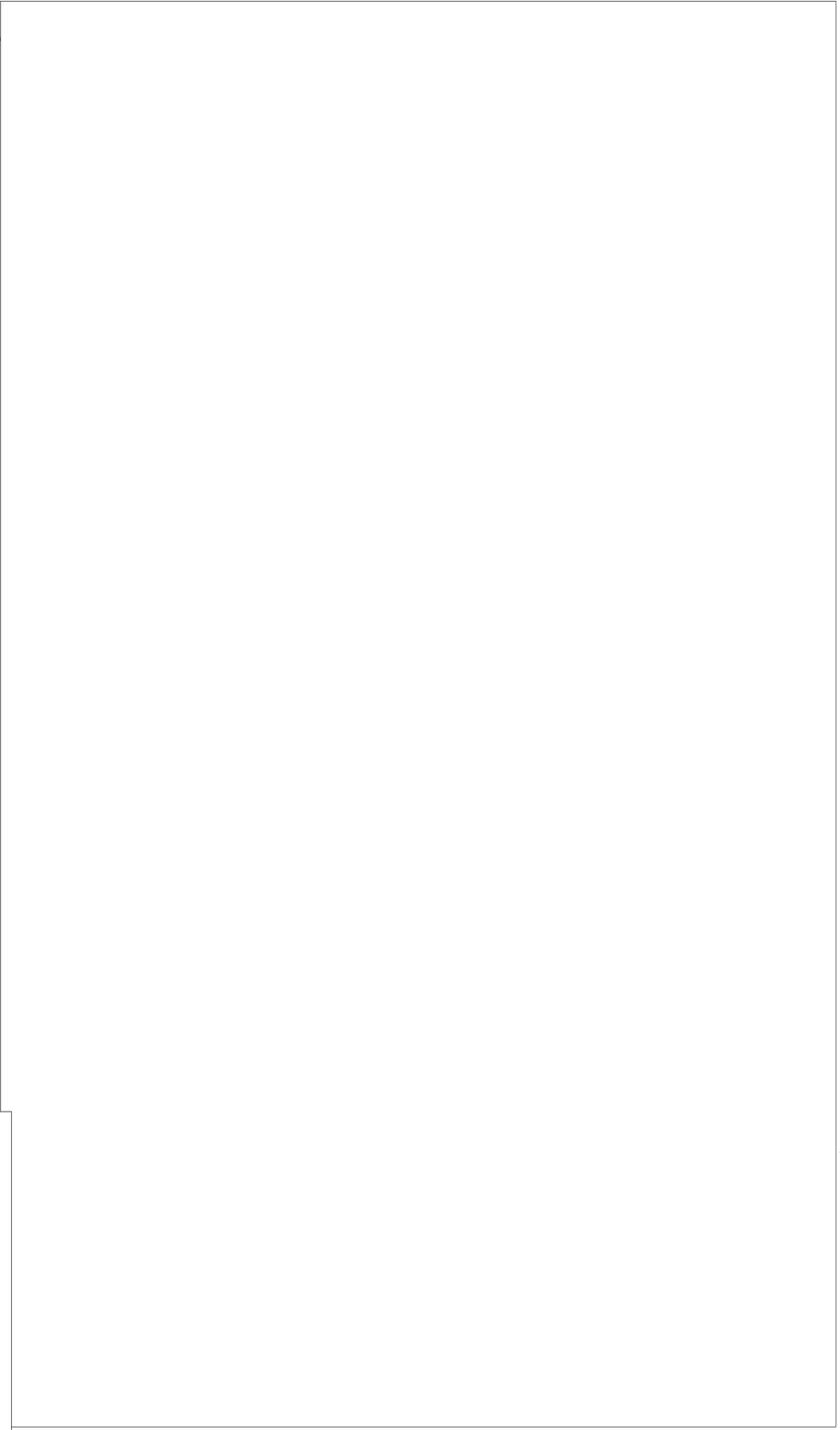
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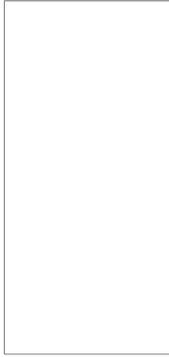
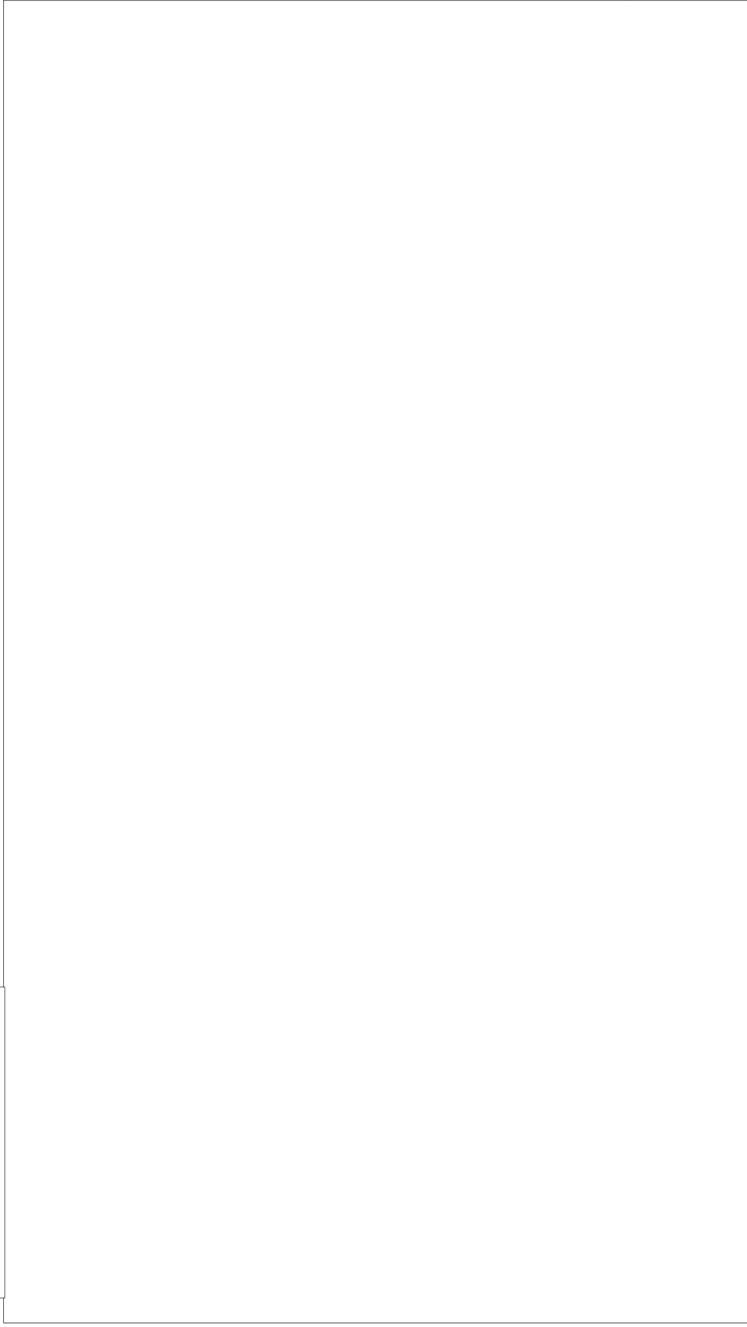


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Approved for Release by NSA on 05-08-2014 pursuant to E.O. 13526

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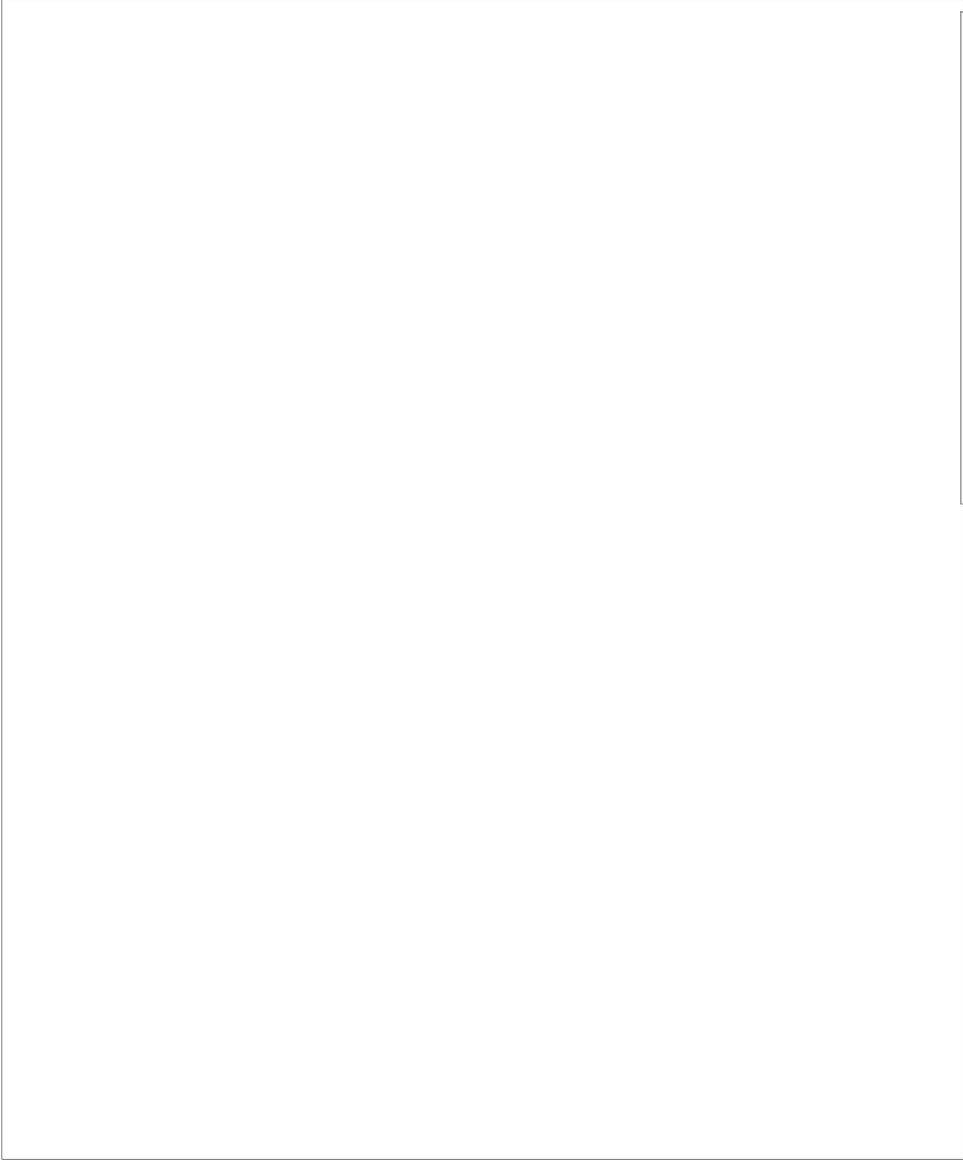
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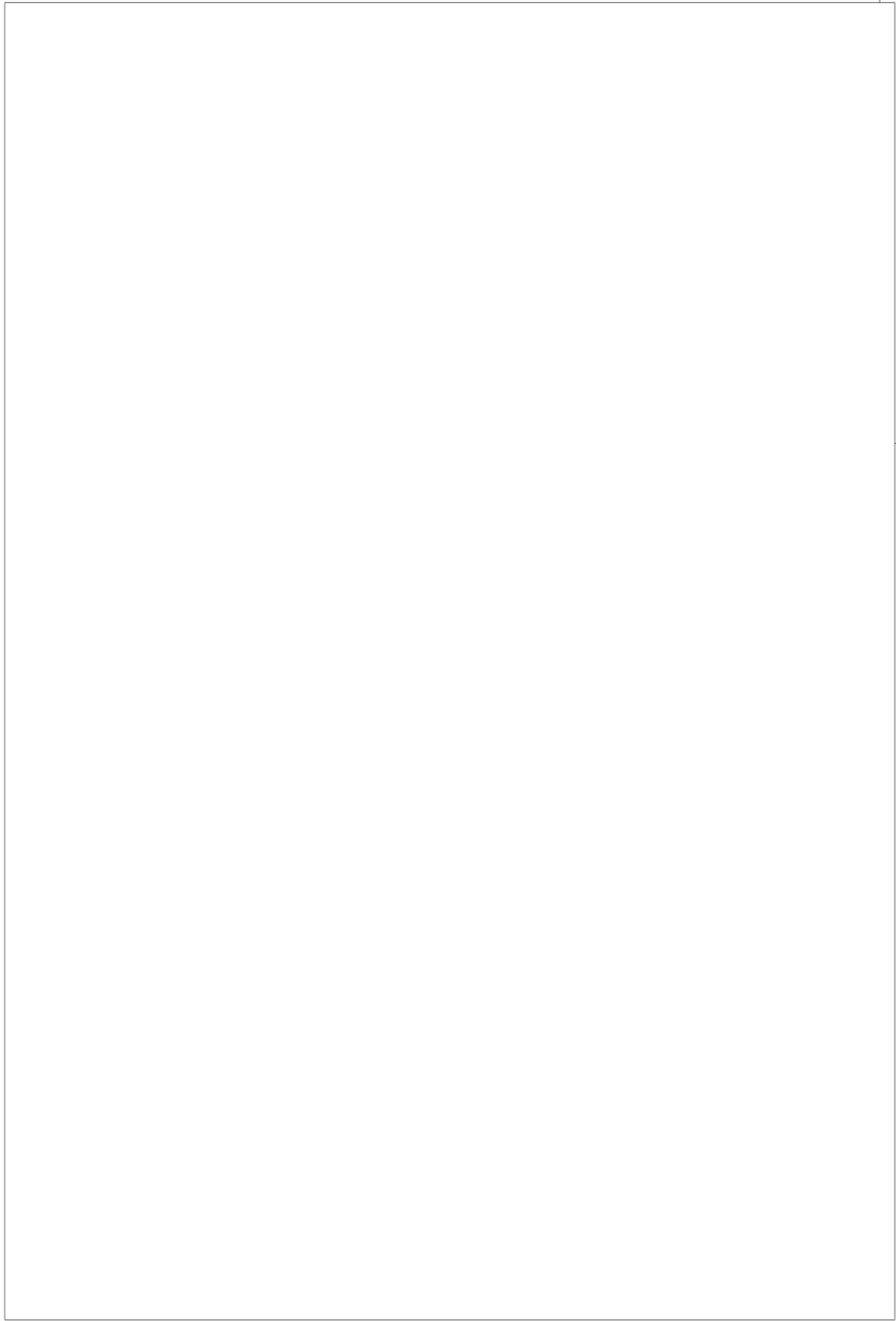


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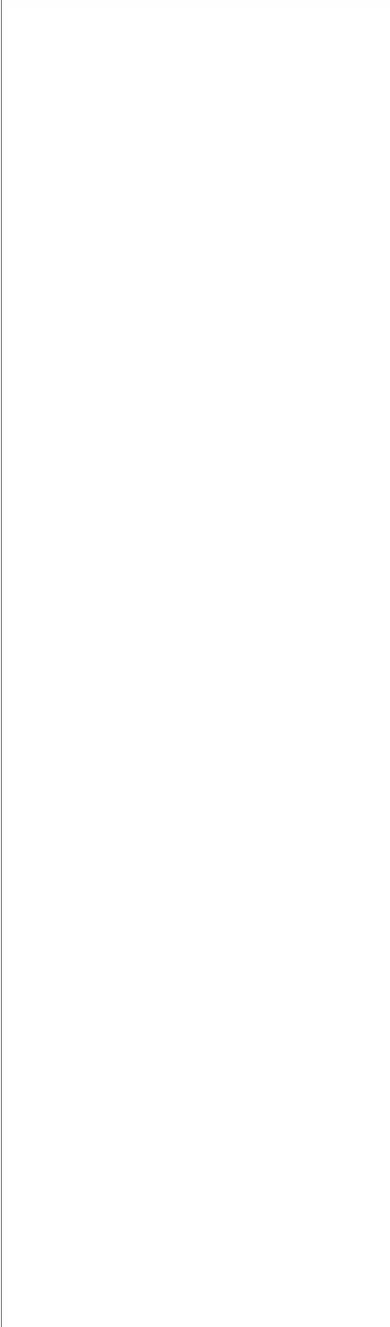
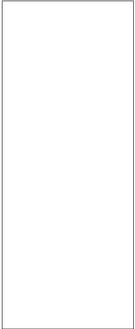
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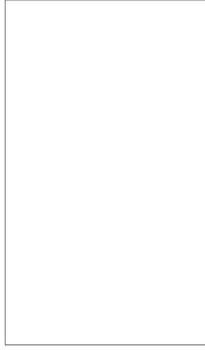
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Copy No. 27 of 39

USIB-D-41.14/263
(COMOR-D-69/44)
20 September 1965
Special Limited Distribution

USIB noted 23 Sep 66

UNITED STATES INTELLIGENCE BOARD

MEMORANDUM FOR THE UNITED STATES INTELLIGENCE BOARD

SUBJECT : Requirements for SIGINT Satellite Collection

1. The attached memorandum on the subject for the Director, National Reconnaissance Office (NRO) from the Chairman, Committee on Overhead Reconnaissance (COMOR), dated 18 September 1965, is circulated herewith for information of the United States Intelligence Board (USIB).

2. It is not planned to schedule the Enclosure on the agenda of a USIB meeting unless so requested by a Board Member by close of business Thursday, 23 September. In the absence of such a request, the Enclosure will be recorded as having been "noted" by the Board on that date.

[Redacted]
JAMES S. LAY, JR.
Executive Secretary

Enclosure

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Enclosure
USLB-D-41.14/263
(COMOR-D-69/44)
20 September 1965
Special Limited Distribution

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MEMORANDUM FOR: Director, National Reconnaissance Office

SUBJECT : Requirements for SIGINT Satellite Collection

1. The attached requirement for SIGINT satellite collection was approved by COMOR at its meeting on 16 September. The information is especially important to projected OXCART operations but is also needed for SIOP and SR-71. The deadline of 1 February was questioned but appears to be valid at this time. We shall, of course, keep you advised on this point.

2. This memorandum is forwarded to you for action and as official affirmation of the requirement in the attachment. We request that you keep us advised if any operational or technical problems arise which might interfere with the fulfillment of the requirement.

(Signed)

Signed 18 Sept 65

William A. Tidwell
Chairman
Committee on Overhead Reconnaissance

Attachment:
Tab A

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Tab A

USIB-D-41.14/263

(COMOR-D-69/44)

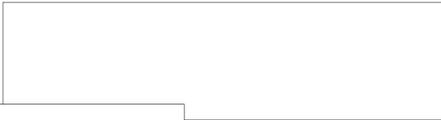
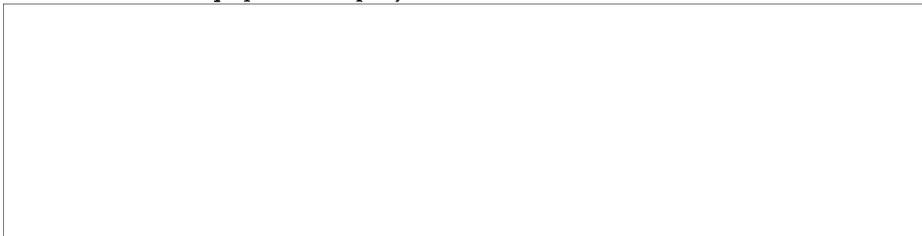
20 September 1965

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Requirements for SIGINT Satellite Collection



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Enclosure
Tab A
USIB-D-41.14/263
(COMOR-D-69/44)
20 September 1965
Special Limited
Distribution

5. Accordingly, the NRO should be requested to develop, and launch by 1 February 1966, payloads covering the

6. The value of information acquired by this mission is directly related to the timeliness of processing and reporting. In order to achieve the maximum benefit from the intercepted data, it is requested that these data be processed on a priority basis and initial reporting be made within [redacted] after launch.

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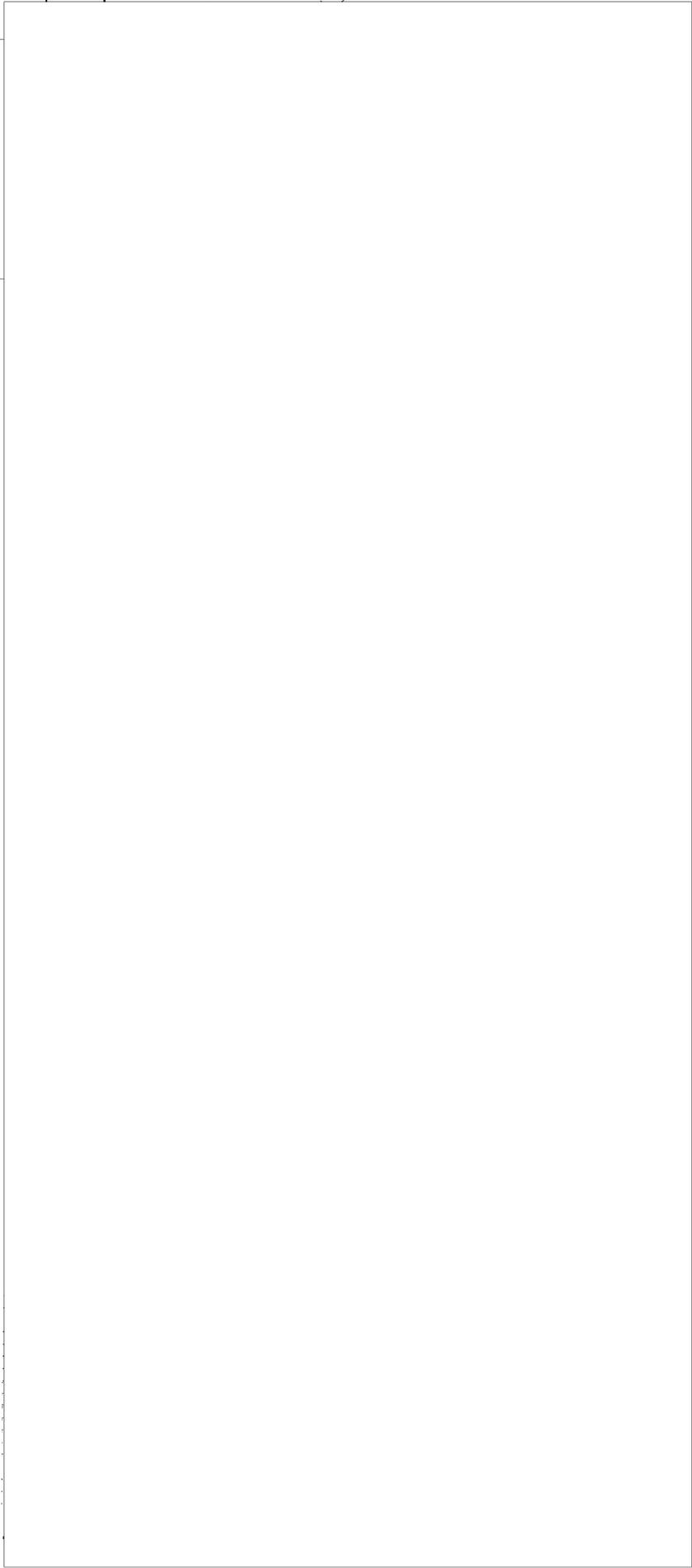
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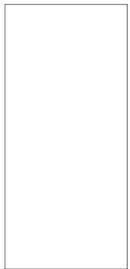
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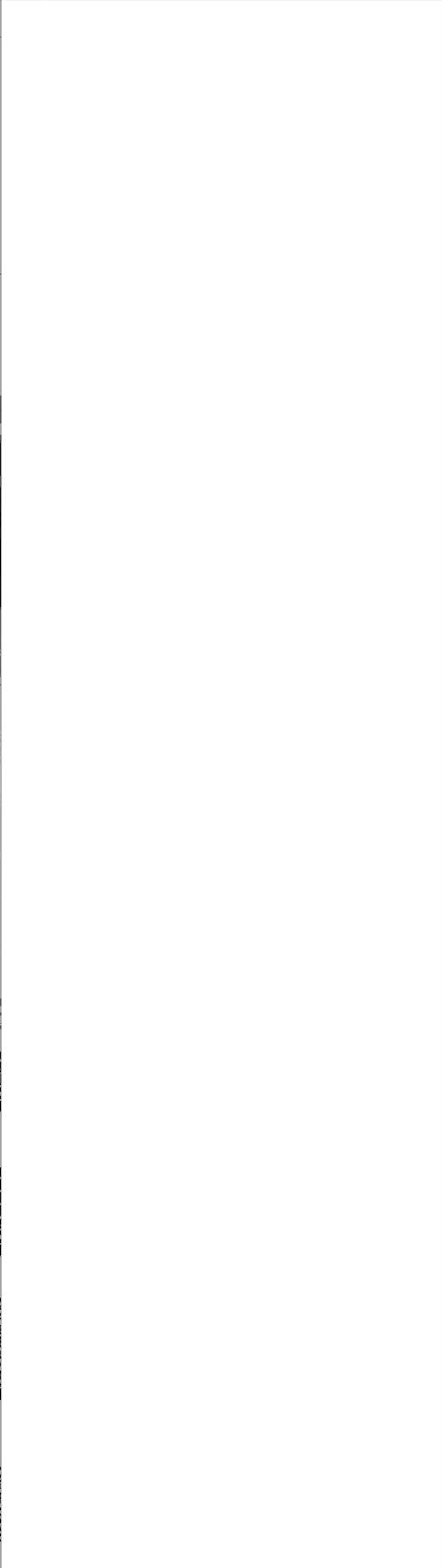
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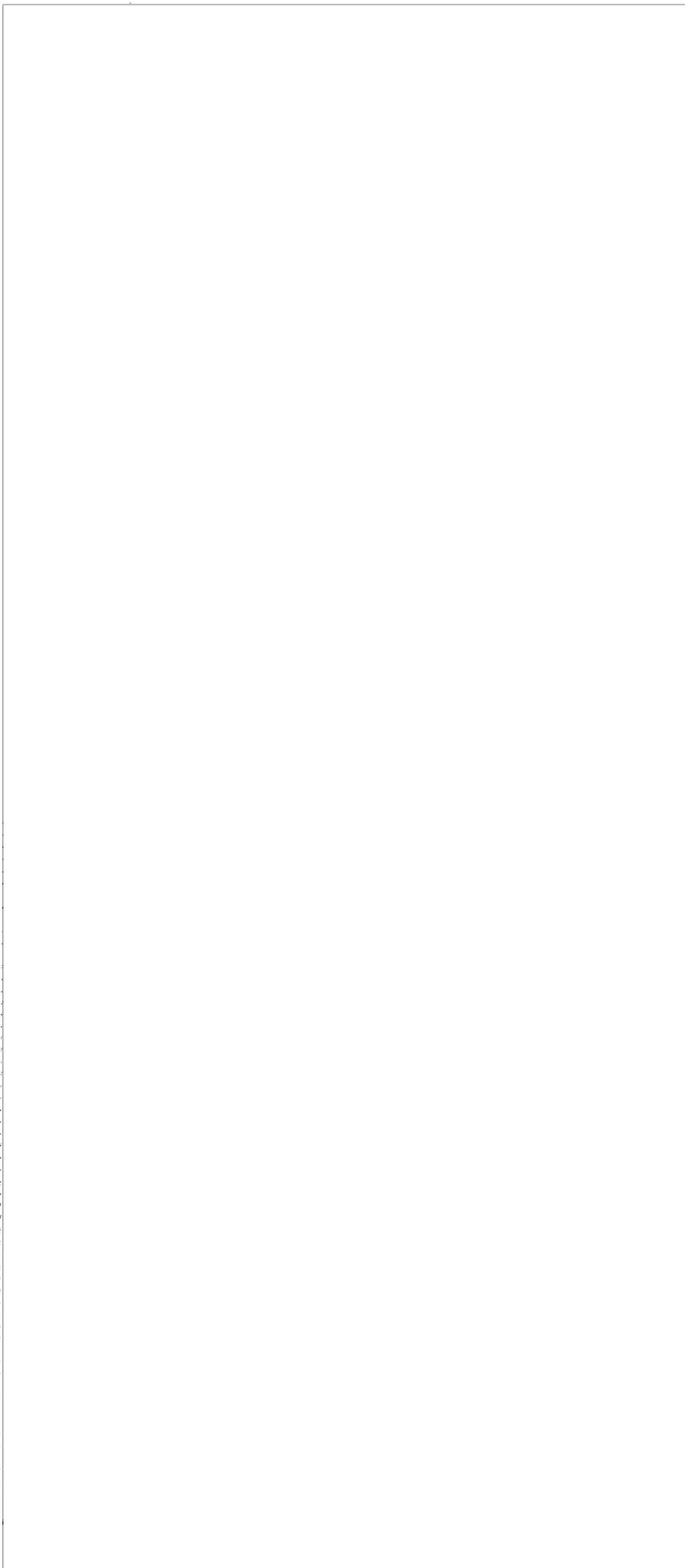
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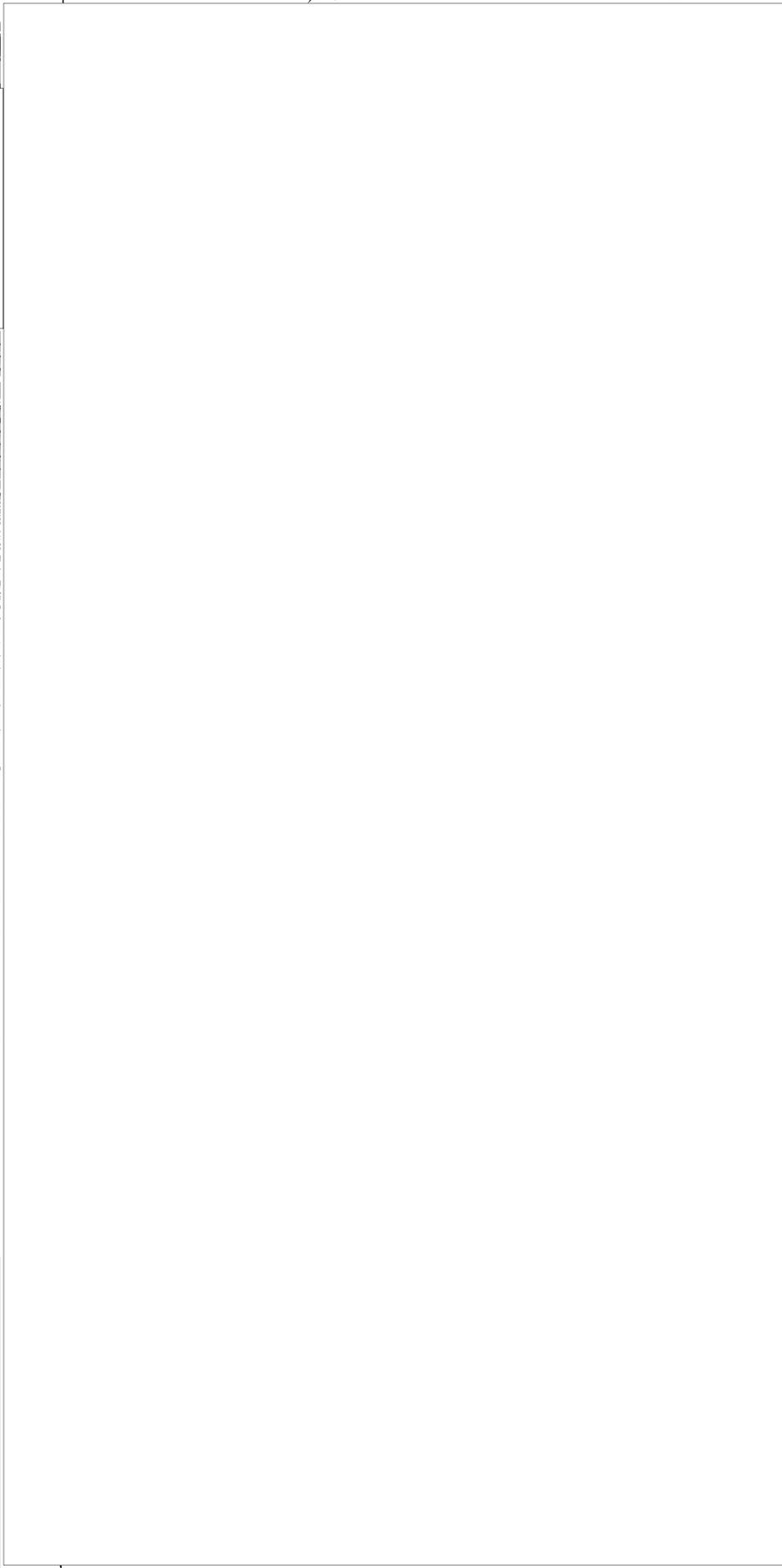
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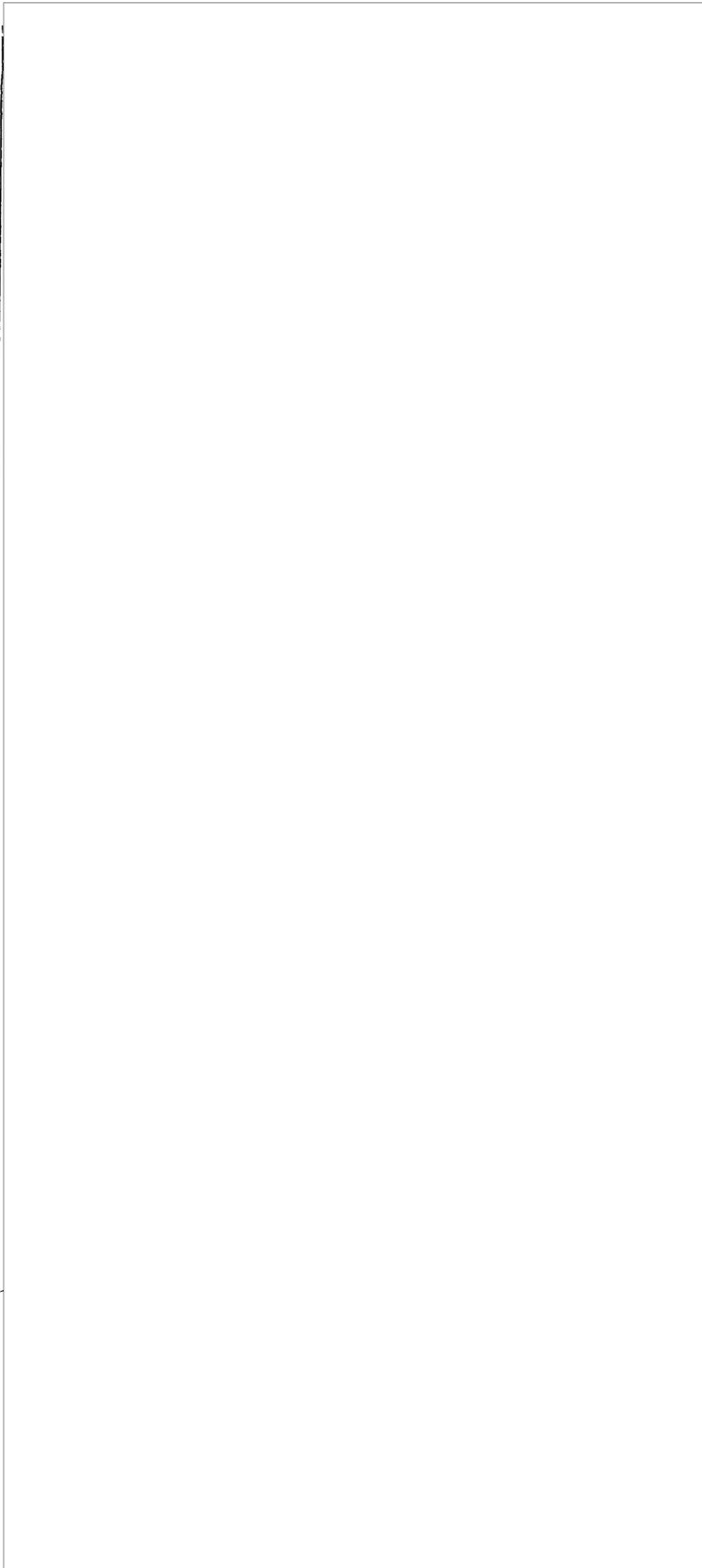
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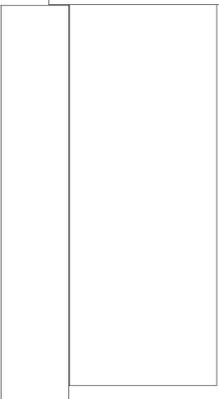
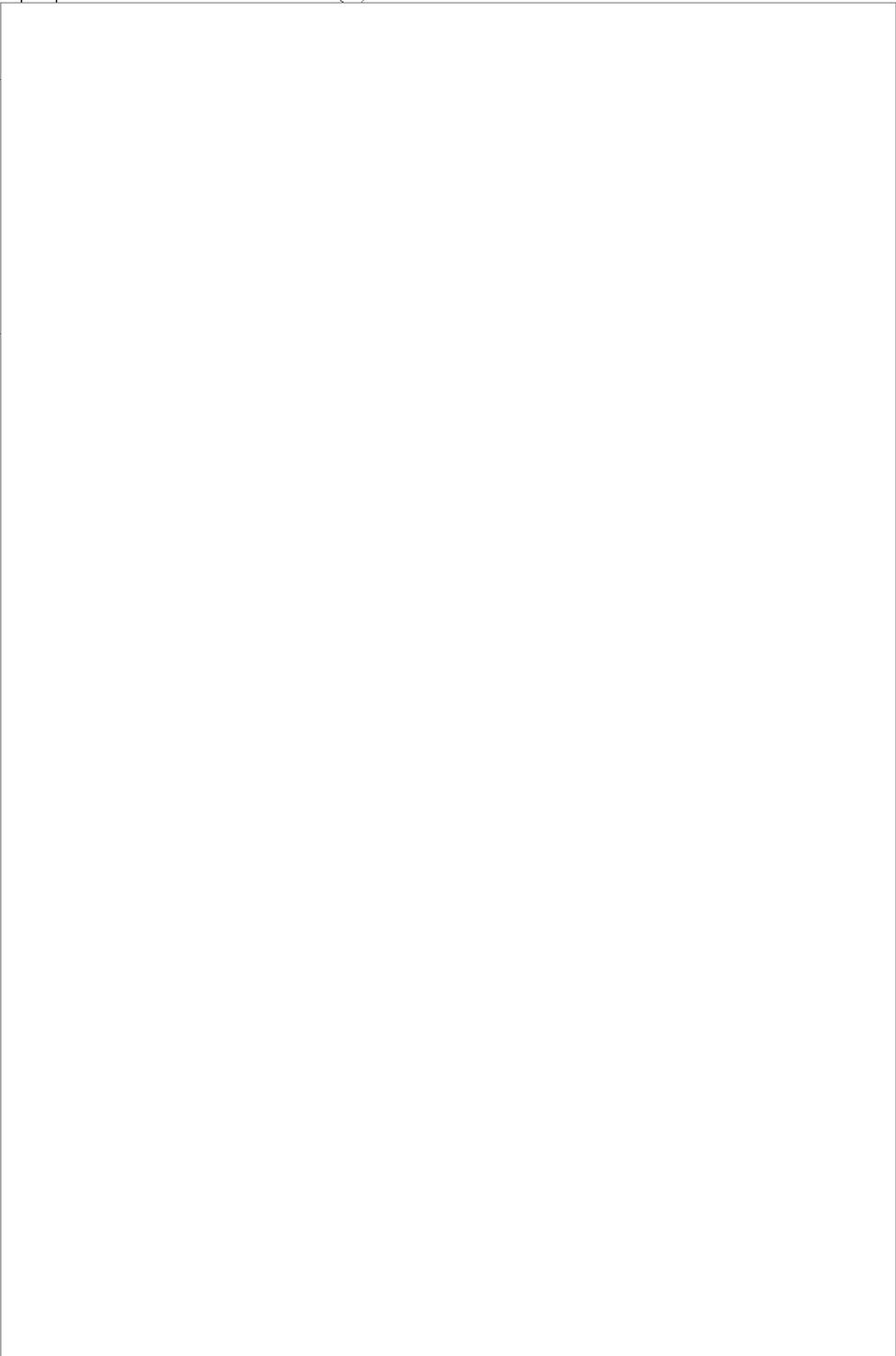
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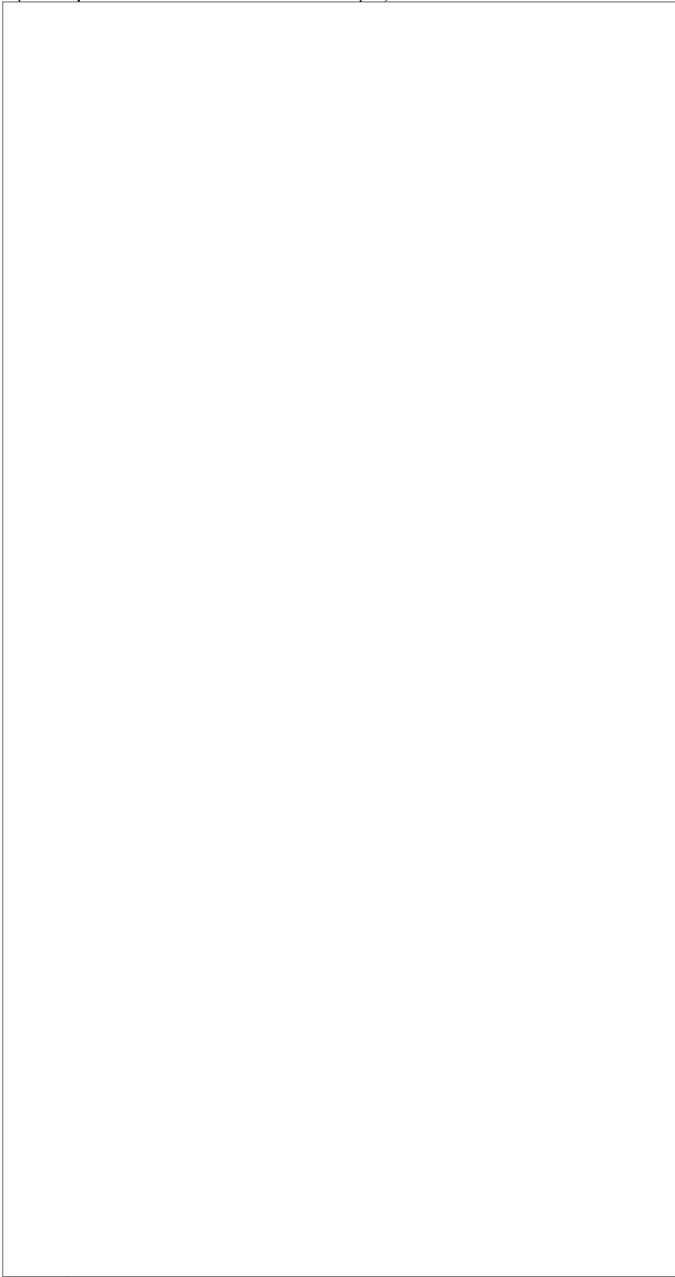
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