higher education & training

Department:
Higher Education and Training
REPUBLIC OF SOUTH AFRICA

N860**(E)**(M31)H

NATIONAL CERTIFICATE

INTRODUCTORY PATTERN CONSTRUCTION N4

(10010454)

31 May 2019 (X-Paper)
09:00–12:00

REQUIREMENTS: White A4-typing paper

Candidates must bring their own equipment and tools needed for Pattern Construction. Only the blocks provided in this paper may be used.

Candidates need drawing instruments and a black fineliner pen.

Calculators may be used.

This question paper consists of 12 pages and 3 addenda.

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DEPARTMENT OF HIGHER EDUCATION AND TRAINING
REPUBLIC OF SOUTH AFRICA

NATIONAL CERTIFICATE
INTRODUCTORY PATTERN CONSTRUCTION N4
TIME: 3 HOURS
MARKS: 200

INSTRUCTIONS AND INFORMATION

1. Answer ALL the questions.
2. Read ALL the questions carefully.
3. Number the answers according to the numbering system used in this question paper.
4. Write neatly and legibly.

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SECTION A

QUESTION 1

Various options are given as possible answers to the following questions. Choose the answer and write only the letter (A–D) next to the question number (1.1–1.10) in the ANSWER BOOK.

1.1 The foundation of the flat pattern-making system and the basis of other secondary foundation patterns:

A Dress block
B Basic block patterns
C Jacket block
D Sleeve block

1.2 The foundation block that follows the natural lines of the figure and provides correct proportions and fit from which more specialised blocks can be produced:

A Markers
B Drawing equipment
C Working pattern
D Primary blocks

1.3 An adaption of the standard block made to suit the requirements of a manufacturer:

A Final pattern
B Pattern pieces
C Trade blocks
D Long waists

1.4 These blocks can be developed from the basic blocks that were produced by direct drafting.

A Secondary blocks
B Straight skirts
C Kimono
D Raglan

1.5 Fashioned sections of a styled pattern cut on paper from the basic foundation blocks without seam allowances:

A Block pattern
B Final pattern
C Fuse
D Working pattern

1.6 Fully completed styled pattern with seam allowances added and all relevant pattern markings placed in the correct positions, plus pattern information and all structural additives:

A Dart
B Master pattern
C Construction line
D Pattern

1.7 A pattern set that has been corrected, perfected and contains every pattern piece required to complete the garment:

A Pattern grading
B Markers
C Production pattern
D Basic block pattern

1.8 Length of paper containing a copy of all pattern pieces to be cut together. ALL pattern symbols must appear on the pattern.

A Ruler
B Pattern chart
C Fitting line
D Markers

1.9 The drawing of vertical and lateral lines onto paper or card of certain dimensions taken on a human figure, and forming on these lines the desired outline of a basic block pattern:

A Pattern construction
B Pattern manipulation
C Drawing lines
D Pattern line

1.10 Adapting and styling basic foundation blocks to produce any desired design for a garment or part thereof:

A Seam allowance
B Stitching line
C Pattern designing
D Drawing line

(10 × 1) **[10]**

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QUESTION 2

2.1 Give ONE word or term for each of the following descriptions. Write only the word or term next to the question number (2.1.1–2.1.5) in the ANSWER BOOK.

2.1.1 A practical way of producing patterns by modelling fabric for the garment directly on the figure or a dress stand

2.1.2 The construction of blocks and patterns on paper on top of a flat surface

2.1.3 One of these is a type of flat drafting system

2.1.4 Dimensions are taken as the basic dimension of which certain proportions are used to draft a basic block to fit an average figure

2.1.5 Measurements taken directly on a figure and these blocks can be drafted to fit individual figures

(5 × 2) (10)

2.2 Explain how you will take the following figure measurements on an adult female figure. Write the answer next to the question number (2.2.1–2.2.5) in the ANSWER BOOK.

2.2.1 Bust

2.2.2 Hip depth

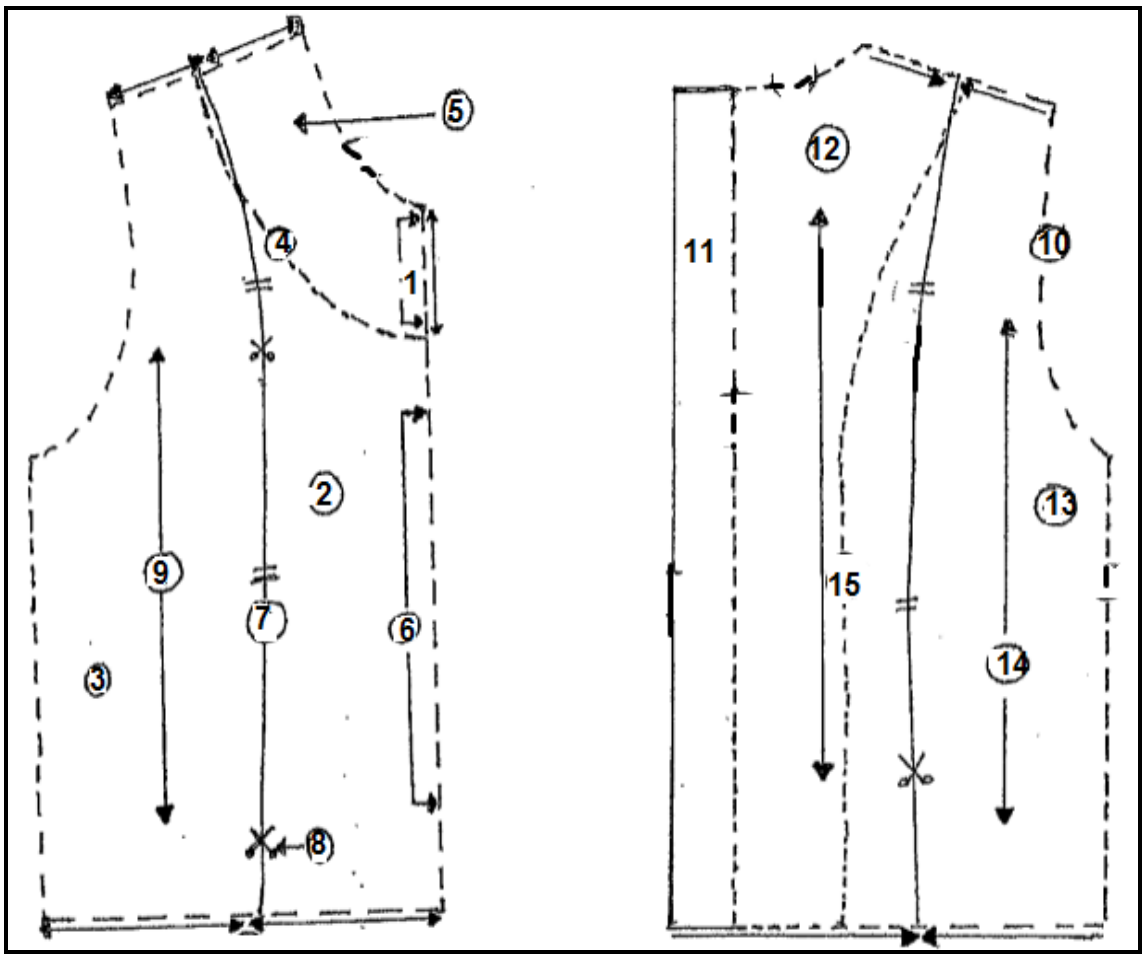
2.2.3 Hip measurement

2.2.4 Across chest

2.2.5 Skirt length

(5 × 3) (15)

2.3 Identify the planning process of a bodice block for a five-year-old girl as illustrated in the sketch (1–15) below.



(15)

[40]

TOTAL SECTION A: 50

SECTION B

QUESTION 3

Construct the basic sleeve for a five-year-old boy's shirt in half scale according to the following measurements and instructions:

REQUIRED MEASUREMENTS: (SIZE 5)

Shoulder to elbow	22 cm
Around upper arm	23,5 cm
Cuff width	21,5 cm

INSTRUCTIONS:

In half scale, draw a line downwards on the left side of the paper, then at the top. Square out to the right. Mark this point 1.

1–2 = Shoulder to elbow length measured down. For short sleeves down. Square to the right. (22 cm)
1–3 = Around the upper arm measurement, plus 2 cm square to the right. (25,5 cm)
4 = Where 2 and 3 meets. Complete the rectangle. (1–2 = 3–4)
5 = Midway between 1 and 3
6 = Midway between 2 and 4. Join 5 and 6.
1–7 = Quarter of the shoulder to wrist measured down. *
3–8 = The distance from 1 to 7. Join 7 to 5 in a dotted line. Divide line 7 to 5 into three, and mark 9 and 10
10–11 = 1,5 cm squared up. Join 8 to 5 in a dotted line. Divide line 5 to 8 into three, and mark 12 and 13.
12–14 = 1 cm squared up

Lower 6 mm between 7–9 and 8–13 for armhole curve. Curve in from 8 down to 13 and continue the shape of the sleeve head from 13 to 14 through 5 to 11, and round to 9 and down to 7.

2–15 = 1,5 cm to the right. Join 15 to 7 for the back underarm line.
4–16 = 1,5 cm to the left. Join 16 to 8 for the front underarm line.
6–15 = ½ the cuff width + 1,2 cm
6–16 = The same measurement as 6–15

Connect 7–15 and 8 to 16
Label block
Add the grain line

[40]

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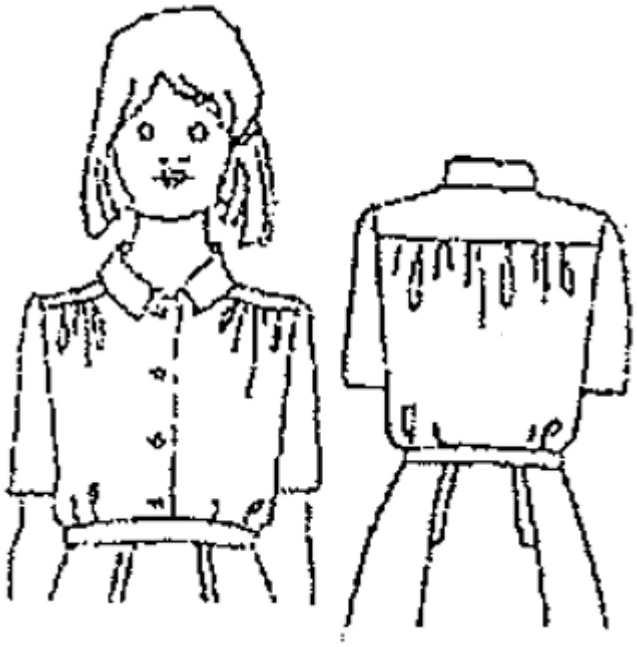
QUESTION 4

Study the following sketches. Use the bodice block on ADDENDUM A and plan the five-year-old's American yoke top with gathers in the bodice in half scale.



Use the following measurements and instructions:

Facing depth	5 cm
Button diameter	1,5 cm
Button stand	1,5 cm
Button spacing	7 cm
Yoke depth front	3 cm
Yoke depth centre back	5 cm

4.1 Submit the planning of the top American yoke with gathers. (32)

4.2 Submit the working pattern of the yoke. (8)

[40]

INSTRUCTIONS:

Add the button stand and mark button and button hole position.
Align the shoulder seams back and front.
A = Centre back neckline
A–B = 5 cm at the centre back squared to the left to C at the armhole
Indicate the slash line.
D = Shoulder neckline of the back and front
D–E = 3 cm
F = at the shoulder point
F–G = 3 cm from the shoulder point to the front armhole
Connect G to E.
Indicate the slash line.
Divide B to C and H to E into three sections, mark and square down from the slash line to the hemline.
Draw the front facing.
Trace the yoke from A to B to C to F to D to E to G back to F.
Draw the grain lines and label the pattern.

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QUESTION 5

Study the sketch below and use the copies of the ladies' skirt with box pleats and use the block, size 13 on ADDENDUM B (attached) on fifth scale, and submit the following:

Measurements:

Pleat depth	8 cm
Zip length	20 cm
Zip seam allowance	2 cm
Seam allowance	1,5 cm
Hem allowance	2 cm



INSTRUCTIONS:

A	=	Centre front waistline
B	=	Centre front hemline
A–C		8 cm at the waistline
B–D		8 cm at the hemline

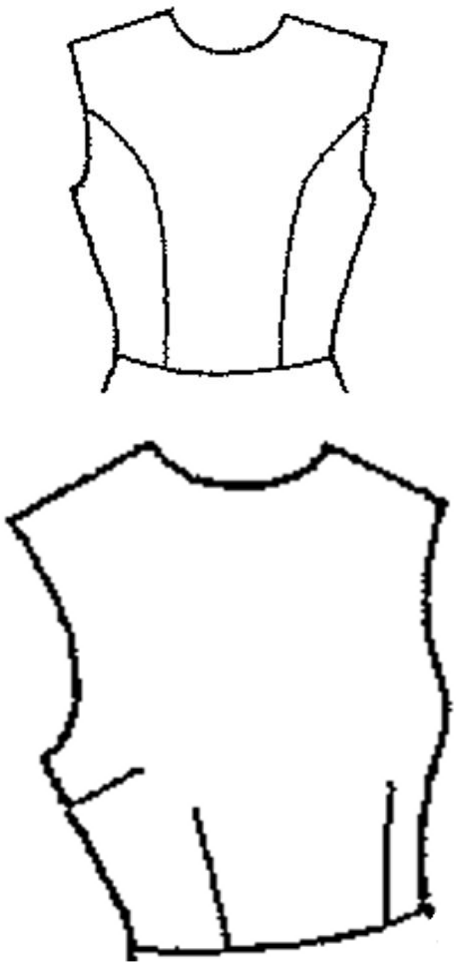
Draw the slash lines. Connect C–D.
Indicate the slash lines.
Move the dart to the slash line.
To manipulate, cut along the slash line.
Spread pleat two times (2 × 8 cm) pleat depth.
Indicate the pleat and direction = towards the centre front.
Mark the grain line, label the pattern pieces and add seam allowance.
Indicate the stitch line and the zip position.

5.1 Submit the planning of a skirt with box pleats. (25)

5.2 Submit the final of the front. (25)
[50]

QUESTION 6

Use the ladies' bodice block, size 13 (on ADDENDUM C), and submit only the planning pattern of the following dart manipulation on fifth scale.



6.1 Submit the planning of the shoulder dart to the semi princess line. (10)

6.2 Submit the planning of the shoulder dart to the underarm dart. (10)
[20]

TOTAL SECTION B: 150
GRAND TOTAL: 200

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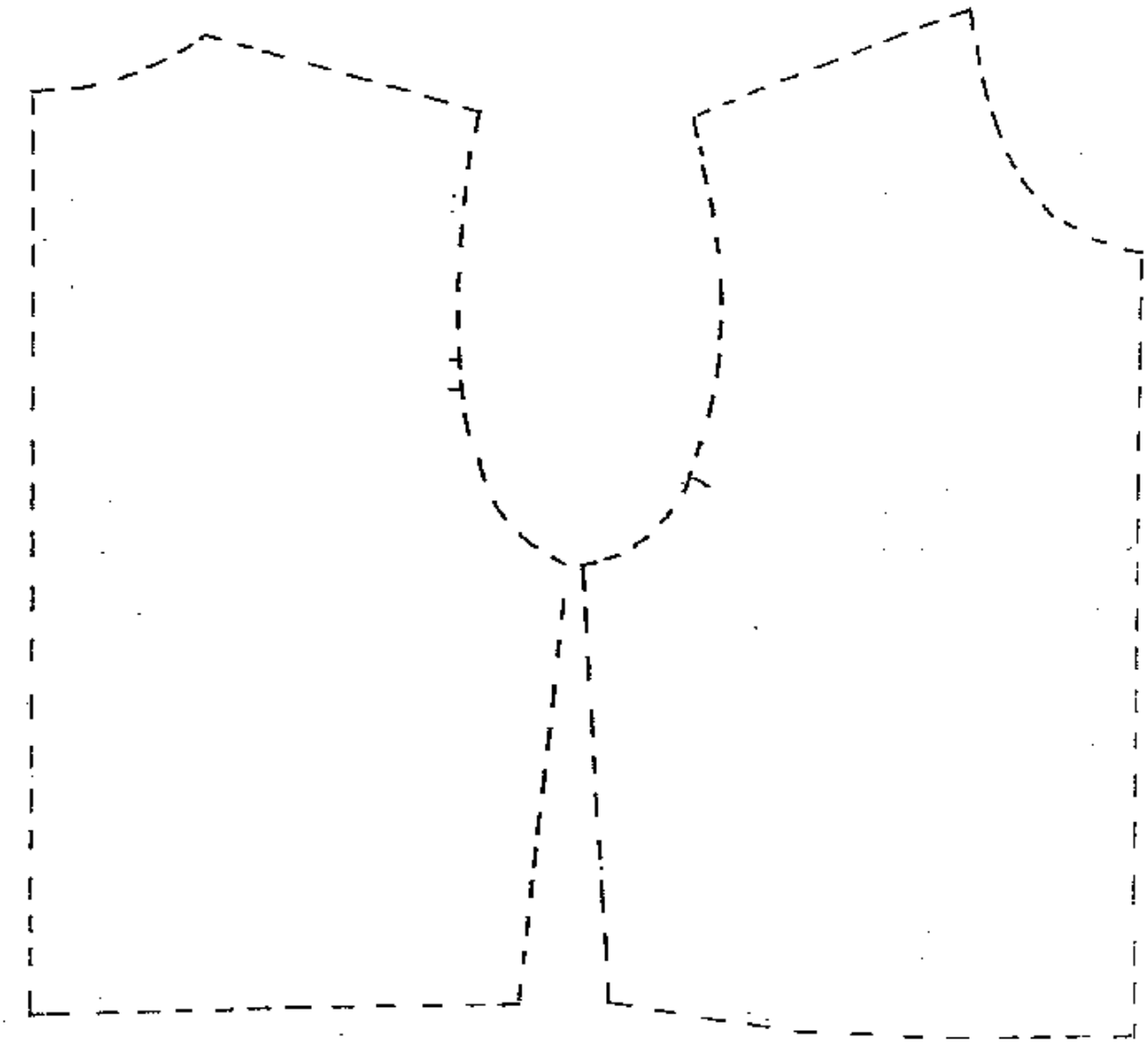
ADDENDUM A



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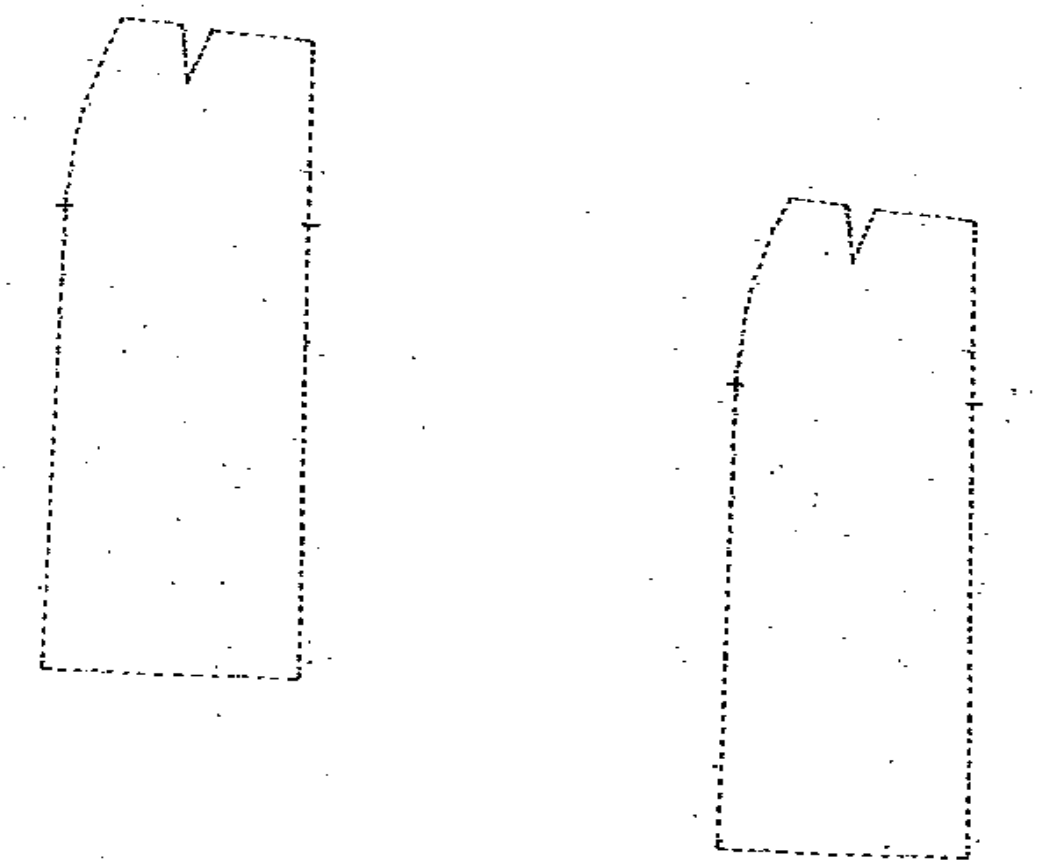
ADDENDUM B



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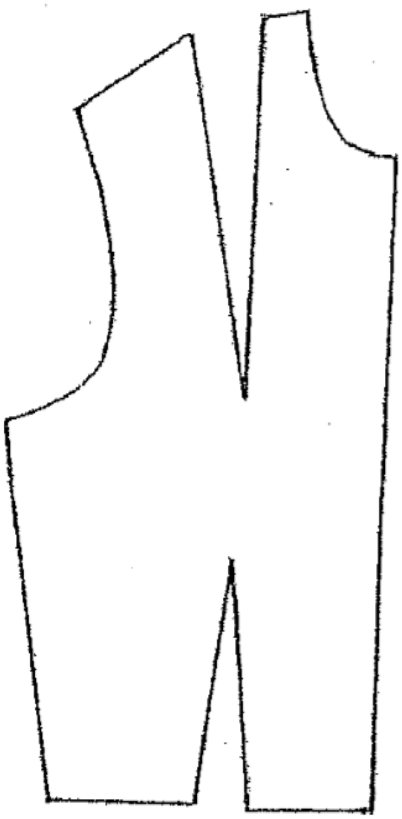
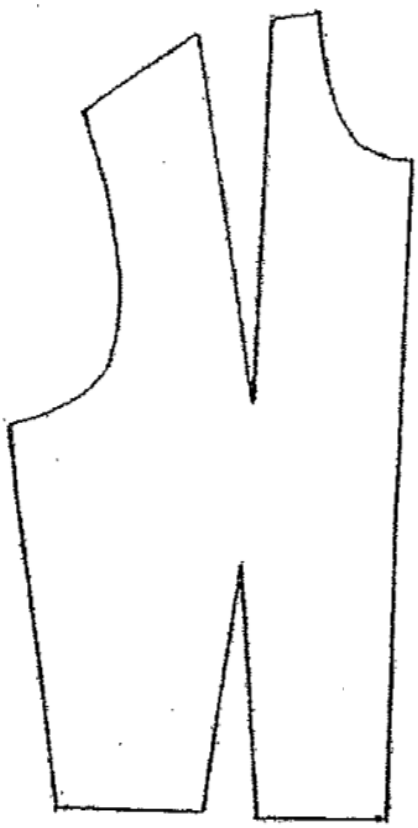
ADDENDUM C





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