



GRY INSTITUTE OF PHARMACY

BORAWAN, KHARGONE

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3.2.1 Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

S.N	Particulars	Page No
1	Innovation initiatives and student thesis on innovative ideas	01-24

ANTIBACTERIAL AND ANTIFUNGAL ACTIVITY OF FLOWER OF MURRAYA PANICULAT [L.] JACK

A Project report Submitted

To

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal



For the partial fulfillment of degree of

BACHELOR OF PHARMACY

NOVEMBER - 2019



Supervised by
Dr. RAKESH PUNASIYA
M.pharma , Ph.D

Submitted by
Mr. GOURAV DINDORKAR
(0816PY161022)

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GRY INSTITUTE OF PHARMACY**

“vidya-vihar”Borawan(Khargone)Madhya Pradesh-451228

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Vidya Vihar, Borawan (Khargone) MP - 451 228

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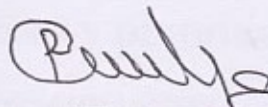
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CERTIFICATE

This is to certify that the project entitled "**Antibacterial and Antifungal activity of flower of *Murraya Paniculate* [L.] Jack**" submitted to Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal by **GOURAV DINDORKAR(0816PY161022)** in partial fulfillment of the requirement for the award of the degree of **Bachelor of Pharmacy** for the session 2019-2020.

The matter embodied is the actual work by **GOURAV DINDORKAR** and this work has not been submitted earlier in part or full for the award of any other degree.


Project Supervisor

Dr. RAKESH PUNASIYA


Principal 31/10/19

Dr. SUJIT PILLAI

Antibacterial and Antifungal Activity of Flower of *Murraya paniculata* [L.] Jack.

air dry the crude drug concentrate the extract by heating on water bath after the conversion into gel. Kept in air tight container at cool and dry place.

Extraction of flowers with ethanol

The sufficient amount of powdered *murraya paniculata* flowers was putted in Soxhlet apparatus and 500 ml of ethanol was added and reflex condenser was also attached with apparatus and put the apparatus on heating mantle and the temperature of heating mantle not more than 30⁰ c .the sufficient amount of solvent was added according to the condition. The duration of each cycle was about 90 minutes . After the 5day remove the solvent and drug from apparatus and air dry the crude drug concentrate the extract by heating on water bath after the conversion into gel. Kept in air tight container at cool and dry place⁴ .

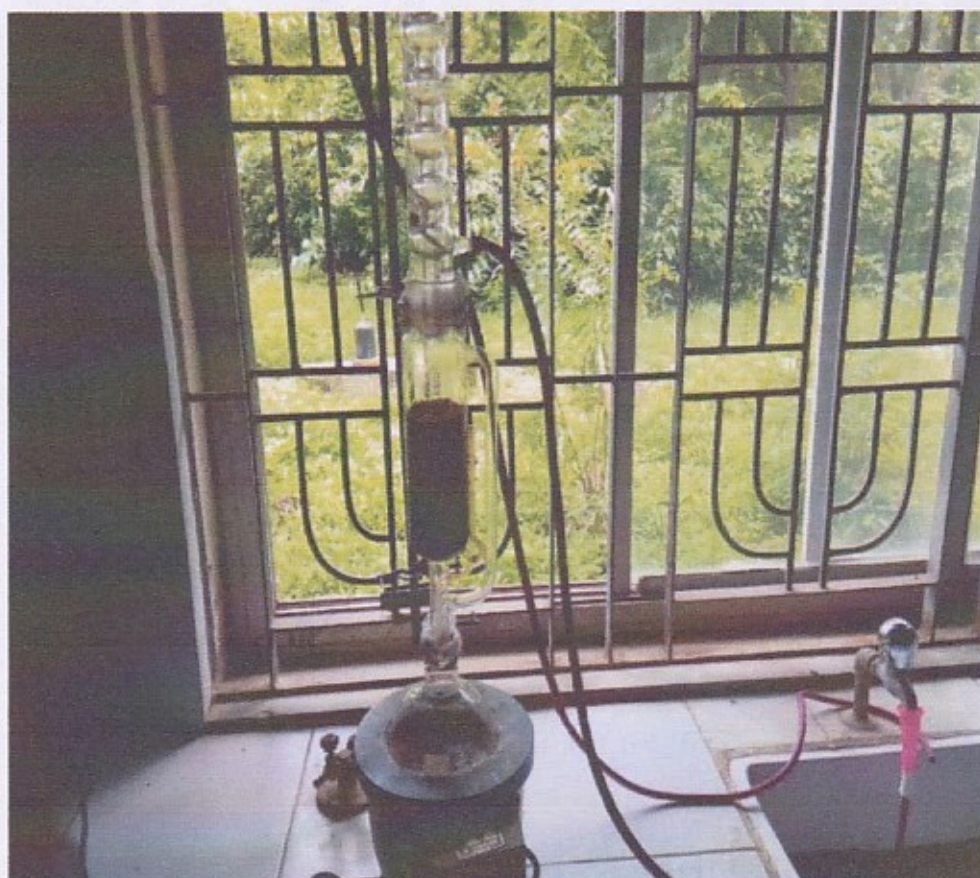


Fig 4: Extraction with ethanol

Extraction of flowers with water :-

The sufficient amount of powdered *murraya paniculata* flowers was putted in Soxhlet apparatus and 500 ml of water was added and reflex condenser was

Antibacterial and Antifungal Activity of Flower of *Murraya paniculata* [L.] Jack.

7.3 Antifungal activity

Antifungal activity of Ethanolic and Aqueous extract of *Murraya paniculata* flowers show to zone of inhibition in different-different concentration for *Trichophyton rubrum* fungus. The zone of inhibition show in table 4 with their average.

Sr. No.	Concentration In %	Ethanolic Extract Zone of inhibition (mm)	Aqueous Extract Zone of inhibition (mm)	Fluconazole Zone of inhibition (mm)
1.	50%	45.5mm	58mm	58.3mm

Table 4 :- Antifungal activity result

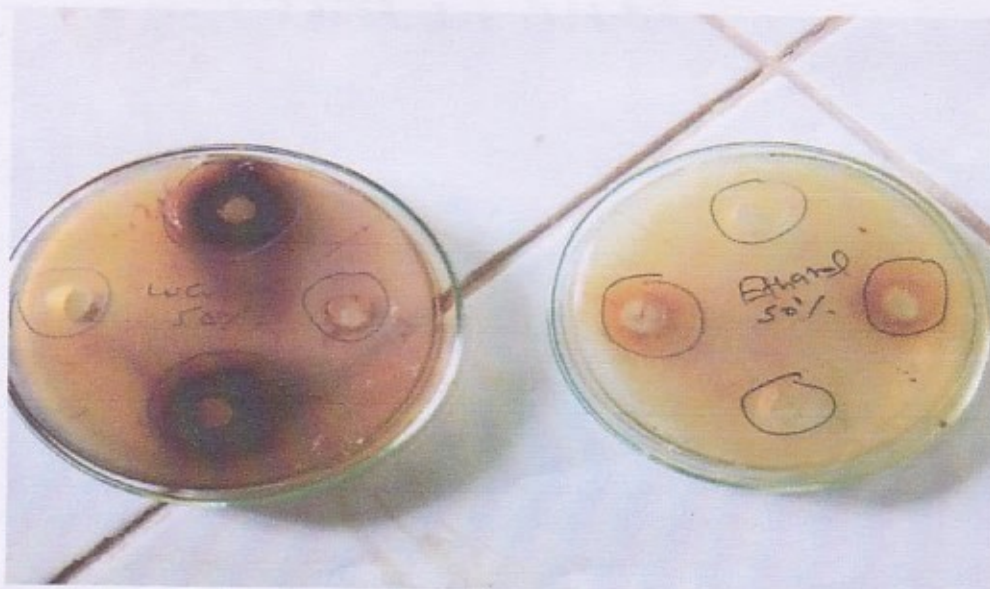


Fig 6 : Antifungal activity evaluation

RESEARCH ON

**COMPARATIVE ANTIBACTERIAL ACTIVITY OF
ESSENTIAL OIL AND LEAF EXTRACT OF
EUCALYPTUS GLOBULUS**

A Project report Submitted
To

Rajiv Gandhi Pradyogiki Vishwavidyalaya, Bhopal



For the partial fulfillment of degree of
BACHELOR OF PHARMACY

DECEMBER- 2019



supervised by

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(m.pharm.)

submitted by

Mr.Pritesh mandloi

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CERTIFICATE

This is to certify that the project entitled "**COMPARATIVE ANTIBACTERIAL ACTIVITY OF ESSENTIAL OIL AND LEAF EXTRACT OF EUCALYPTUS GLOBULUS**" submitted to Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal by Pritesh Mandloi (0816PY16py161057) in partial fulfillment of the requirement for the award of the degree of Bachelor of Pharmacy for the session 2019- 2020. The matter embodied is the actual work by Pritesh Mandloi and this work has not been submitted earlier in part or full for the award of any other degree.

MR. Pritesh mandloi

(0816py161057)

Project Supervisor

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M.Pharm.,

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Dr. Sujit Pillai

Ph.D, M. Pharma



Principal,

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COMPARATIVE ANTIBACTERIAL ACTIVITY OF ESSENTIAL OIL AND LEAF EXTRACT OF EUCALYPTUS GLOBULUS

ENTIAL
BULUS



Fig 1: showing zone of inhibition of Ethanolic extract.



Fig 2: showing zone of inhibition of aquous extract.

Table 6 : Antibacterial activity result for essential oil on gram negative bacteria (*Klebsiella pneumoniae*)

Sr no	Drop of essential oil	Zone of inhibition In (mm)
1.	2 drops	26mm



Fig 3: showing zone of inhibition in essential oil Of eucalyptus globulus.

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**“FORMULATION AND EVALUATION OF DIGESTIVE
CHURNA”**

**A Project report Submitted to
Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal**



For the partial fulfilment of degree of

BACHELOR OF PHARMACY

DECEMBER-2021



**Supervised by
Mr. Vinit Shivane
(M.Pharm)**

**Submitted by
Mr. Nivrutti Mahajan
(0816PY181059)**

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CERTIFICATE

This is to certify that the project entitled “**FORMULATION AND EVALUATION OF DIGESTIVE CHURNA**” submitted to Rajiv Gandhi Proudyogiki Vishwavidhyalaya, Bhopal by **Mr. Nivrutti Mahajan (0816PY181059)** in partial fulfilment of the requirement for the award of the degree of **Bachelor of Pharmacy** for the session 2021-2022

The matter embodied is the actual work by **Mr. Nivrutti Mahajan** and this work has not been submitted earlier in part or full for the award of any other degree.

Submitted by
Mr. Nivrutti Mahajan
(0816PY181059)

Project Supervisor
Mr. Vinit Shivane
(M.Pharm)

Principal
Dr. Sujit Pillai

(PhD)
Principal,
GRY. Institute Of Pharmacy
BORAWAN (KHARGONE) 451 228

FORMULATION AND EVALUATION OF DIGESTIVE CHURNA



Fig. 1.1: - churna

TYPES OF CHURNA: - These are solid dosage form of medicament meant for internal use. These are two types:-

1. Simple Churna: - It contains only one medicament.
2. Compound Churna: - It contains two or more than two medicaments.^[16]

SYNONYMS: - Shushkapisti, Shushka Kalka: - powder.

Raja, Kshoda: - fine powder.

Churna, Choomam, Churan, Churnam

Advantages:-

- 1.] Stability in powders is more when compared with other liquid preparations. (Liquids are more prone for chemical reaction).
- 2.] Easily absorbed & metabolized when compared with other solid dosage forms like tablets capsules etc.

***“Design, Synthesis and Biological evaluation Of Some
New Thiazoles Derivatives As Antimicrobial Agents”***

*A Project report submitted to Rajiv Gandhi Proudhyogiki
Vishwavidhyalaya, Bhopal for the partial fulfillment of the degree of*

BACHELOR OF PHARMACY



2019-20

Submitted by :

OMPRAKASH BIRLA
(Enrollment No.: 0816PY161052)

Guided by

MR. NILESH MANDLOI



GRY Institute of Pharmacy

Borawan ,Khargone , Madhya Pradesh (India) 451228




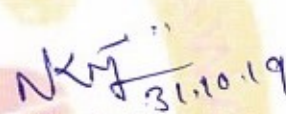
Principal,

GRY. Institute Of Pharmacy
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CERTIFICATE

This is to certify that the work presented in the project entitled "*Design, Synthesis and Biological Evaluation Of Some New Thiazole Derivatives As Antimicrobial Agents*" by Omprakash Birla (Enrollment No.: 0816PY161052) For Bachelor of Pharmacy has been carried at GRY Institute Of Pharmacy, Borawan, Khargone under my guidance and to my satisfaction. This report is now ready for scrutiny.


Principal 31/10/19
Dr. Sujit Pillai
GRY Institute Of Pharmacy


Mr. Nilesh Mandloi
Asst. Professor
Pharmaceutical Chemistry,

Date: 31/10/19

Place: BORAWAN, Khargone

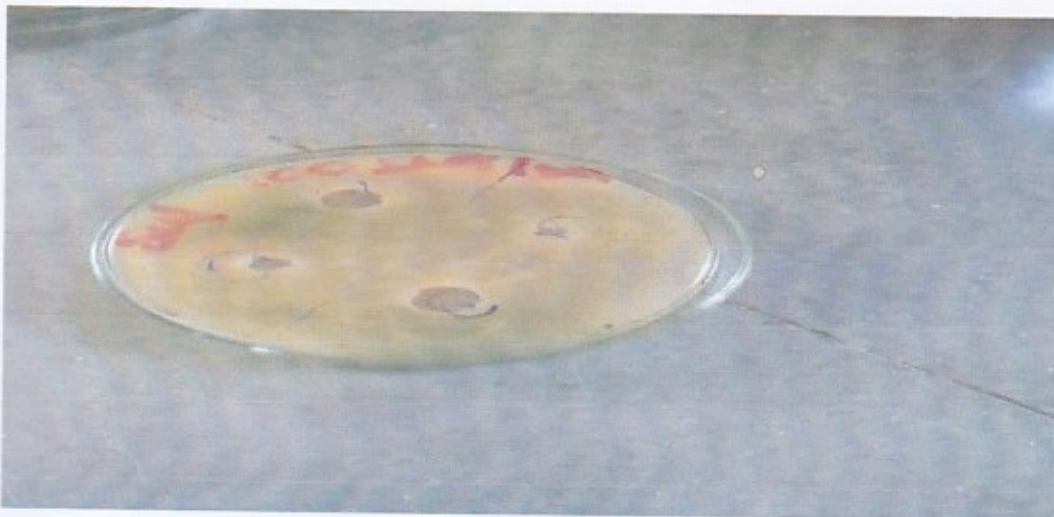



Principal,
GRY, Institute Of Pharmacy
BORAWAN (KHARGONE) 451 228

ZONE OF INHIBITION



Bascillus subtilis Gram (+)



Klebesilla pneumoniae Gram (-)

**“ A RESEARCH WORK ON COMPARATIVE STUDY OF
HERBAL POWDER SHAMPOO AND CHEMICAL LIQUID
SHAMPOO WITH MARKETED PRODUCTS”**

**A Project report Submitted
To**

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal



For the partial fulfillment of degree of

BACHELOR OF PHARMACY

DECEMBER- 2021



Supervised by
Mrs. Mohini Patidar
M. Pharm

Submitted by
Sakshi Salunke
(0816PY181074)

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CERTIFICATE

This is to certify that the project entitled **“A RESEARCH WORK ON COMPARATIVE STUDY OF HERBAL POWDER SHAMPOO AND CHEMICAL LIQUID SHAMPOO WITH MARKETED PRODUCTS”** submitted to Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal by **SAKSHI SALUNKE(0816PY181074)** in partial fulfillment of the requirement for the award of the degree of **Bachelor of Pharmacy** the session 2021-2022.

The matter embodied is the actual work by **SAKSHI SALUNKE**.


Project Supervisor
Mrs. MOHINI PATIDAR
M.PHARM


Principal
Dr SUJIT PILLAI
Ph.D.


Submitted by
Miss. SAKSHI SALUNKE

MATERIAL AND METHOD

6.1. MATERIAL FOR HERBAL POWDER SHAMPOO

All the crude drugs (bhrangraj, reetha, shikakai, henna, bakuchi, tulsi, neem, amla, methi, hibiscus, ashwagandha, aloe vera) were collected and dried for 48 hours in tray dryer, and crushed to powder in mixer.



Fig. no.-01: Bhrangraj



Fig. no.-02: Reetha



Fig. no.-03: Shikakai

COMPARATIVE STUDY OF HERBAL POWDER SHAMPOO AND CHEMICAL LIQUID SHAMPOO WITH MARKETED PRODUCTS



Fig. no.-14: Foamability

7.3. EVALUATION OF FORMULATION

S. No.	Formulation	pH	Dirt Dispersion	Washability	Skin Irritability	Ash Value	Foamability
1	F1	6	light	+ve	No irritation	12%	best
2	F2	6	light	+ve	No irritation	-	good
3	F3	6	moderate	+ve	No irritation	37%	good
4	F4	6	light	+ve	No irritation	10%	Good
5	F5	6	heavy	+ve	No irritation	-	best

Table no.-09



Fig. no.-15: pH

A RESEARCH ON

“Comparative Study Formulation And Evaluation Of A Herbal Lipstick using Colored Pigment Of Beta Valguris & Citrus Synesis”

A Dissertation Submitted

To

Rajiv Gandhi Prodyogiki Vishwavidyalaya, Bhopal



For the partial fulfillment of degree of

BACHELOR OF PHARMACY

2019-20



SUPERVISED BY
Dr. RAKESH PUNASIYA
M. PHARM, Ph.D

SUBMITTED BY
PRATIBHA BHOSALE
(0816PY161054)

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CERTIFICATE

This is to certify that the dissertation entitled **“A RESEARCH ON Comparative Study Formulation And Evaluation Of A Herbal Lipstick using Colored Pigment Of Beta Valguris & Citrus Synesis”** is submitted to Rajiv Gandhi Prodyogiki Vishwavidyalaya, Bhopal by **PRATIBHA BHOSALE (0816PY161054)** is partial fulfillment of the requirement for the award of the degree of Bachelor of Pharmacy for the session 2019-2020. The matter embodied is the actual work by **PRATIBHA BHOSALE** and this work has not been submitted earlier in part or full for the award of any other degree.

Submitted by

PRATIBHA BHOSALE

(0816PY161054)

Pratik
 Project Supervisor
 31/10/19

Dr. RAJESH PUNASIYA

M. PHARM, Ph.D



References not written as per format

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Principal

Dr. SUJIT PILLAI

M. PHARM, Ph.D

Sujit
Principal,

**GRY. Institute Of Pharmacy
 BORAWAN (KHARGONE) 451 228**

Comparative Study Formulation And Evaluation Of A Herbal Lipstick Using Colored Pigment Of Beta Vulgaris & Citrus Synesis

❖ METHOD OF PREPARATION:-

- First, the raw ingredients for the lipstick are melted and mixed—separately because of the different types of ingredients used.
- One mixture contains the solvents, a second contains the oils, and a third contains the fats and waxy materials. These are heated in separate stainless steel or ceramic containers.
- The solvent solution and liquid oils are then mixed with the colour pigments.
- After the pigment mass is prepared, it is mixed with the hot wax.
- The mixture is agitated to free it of any air bubbles. Then it is poured into tubing moulds, cooled, and separated from the moulds.
- After final touch-up and visual inspection, the lipstick is ready for packaging.
- Mixture is ground using a mill, grinding the pigment to avoid a "grainy" feel to the lipstick. • After the pigment mass is ground and mixed, it is added to the hot wax mass until a uniform colour and consistency is obtained. The

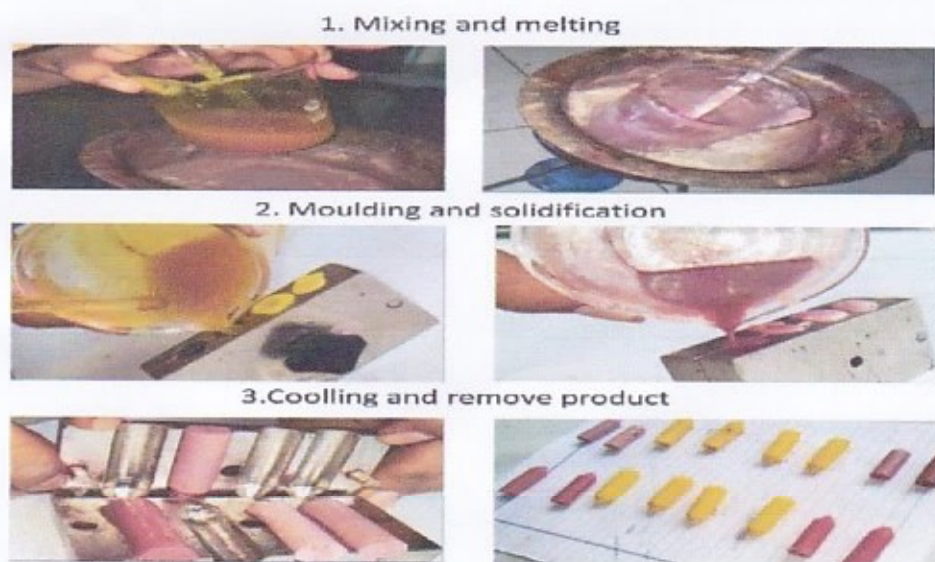


Figure 2: step in preparation of Herbal lip rouge

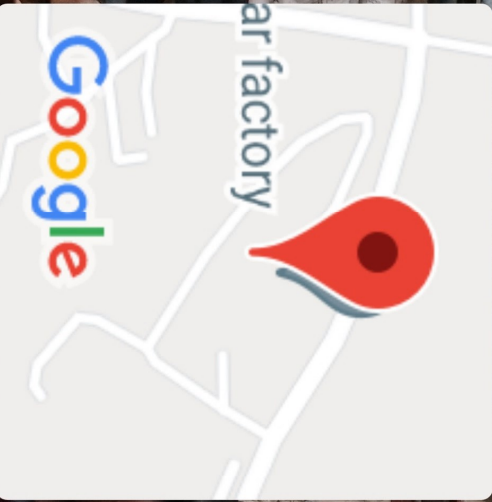




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





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Symbols Associated with Pharmacy

	Mortar and pestle	Used for grinding and mixing of medicines.
	Dollar sign	Used to indicate the cost of the medicine.
	Cross	Used to indicate that the medicine is a drug.
	Shield	Used to indicate that the medicine is a protective agent.
	Red cross	Used to indicate that the medicine is a first aid kit.
	R	Used to indicate that the medicine is a registered trademark.



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