

سامية محمد مصطفى



شبكة المعلومات الجامعية

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ



سامية محمد مصطفى



شبكة المعلومات الجامعية



شبكة المعلومات الجامعية التوثيق الالكتروني والميكروفيلم



سامية محمد مصطفى



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التوثيق الإلكتروني والميكروفيلم

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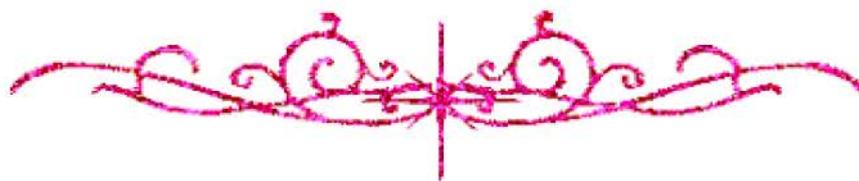
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بالرسالة صفحات

لم ترد بالأصل



**IMPROVING THE REPRODUCTIVE
PERFORMANCE OF DAIRY COWS
WITH GnRH**

By

Helmy Kotb Mohamed Zaghloul

B.Sc. in Agric., Higher Institute of Agric. Cooperation, Shobra El-Kheima (1998)

Thesis

Submitted in Partial Fulfillment of the Requirement

for the Degree

of

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In

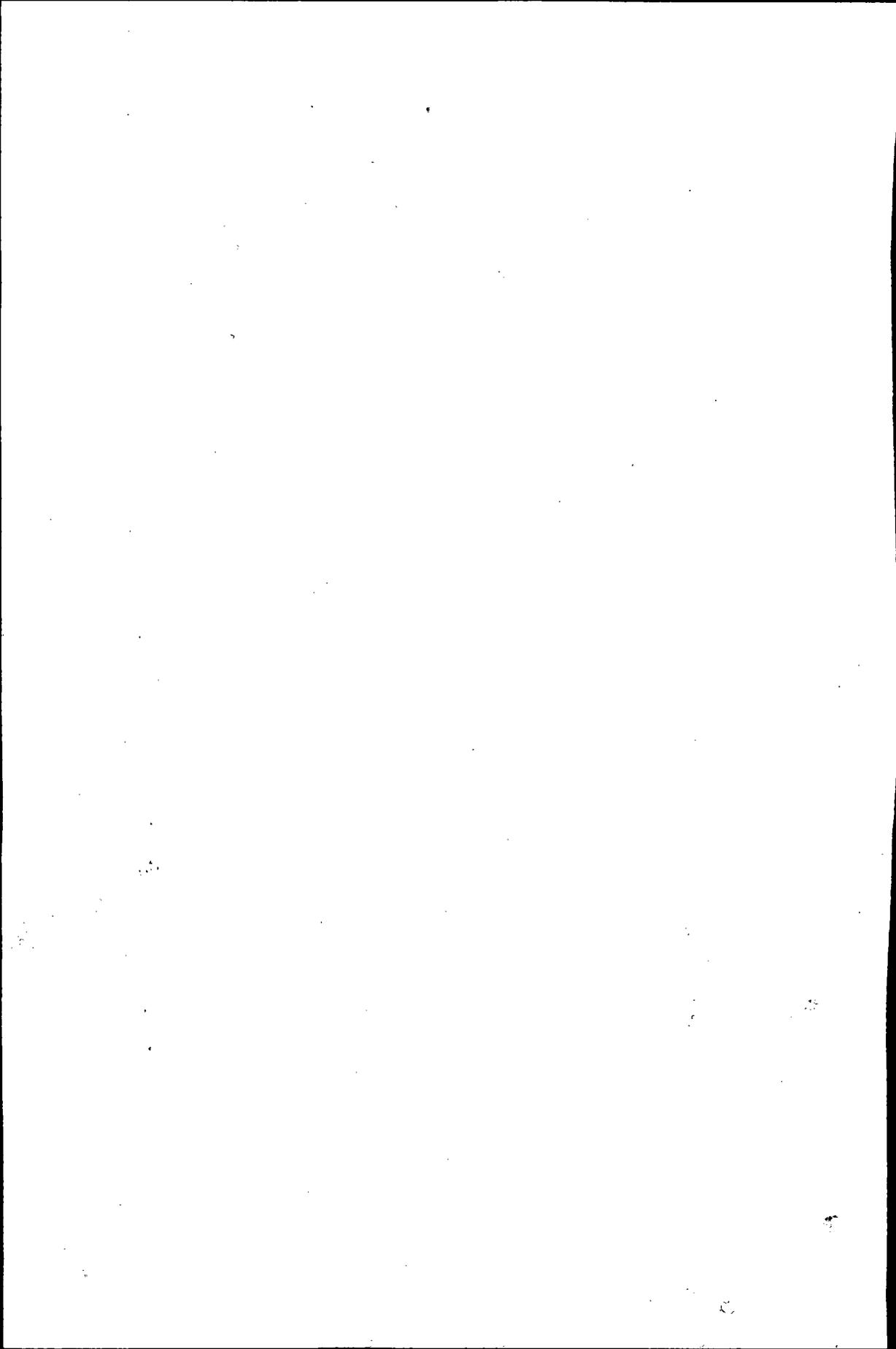
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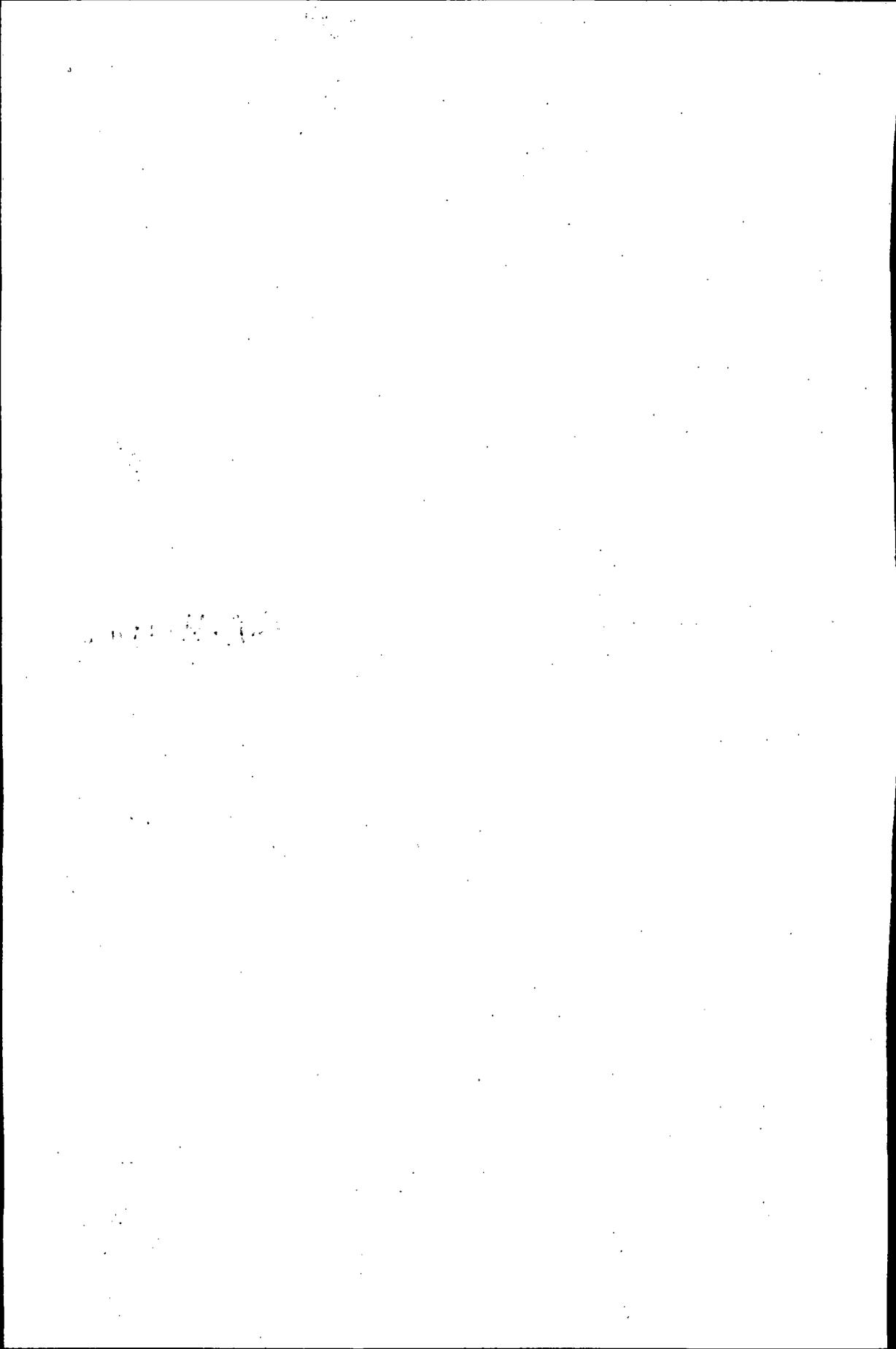
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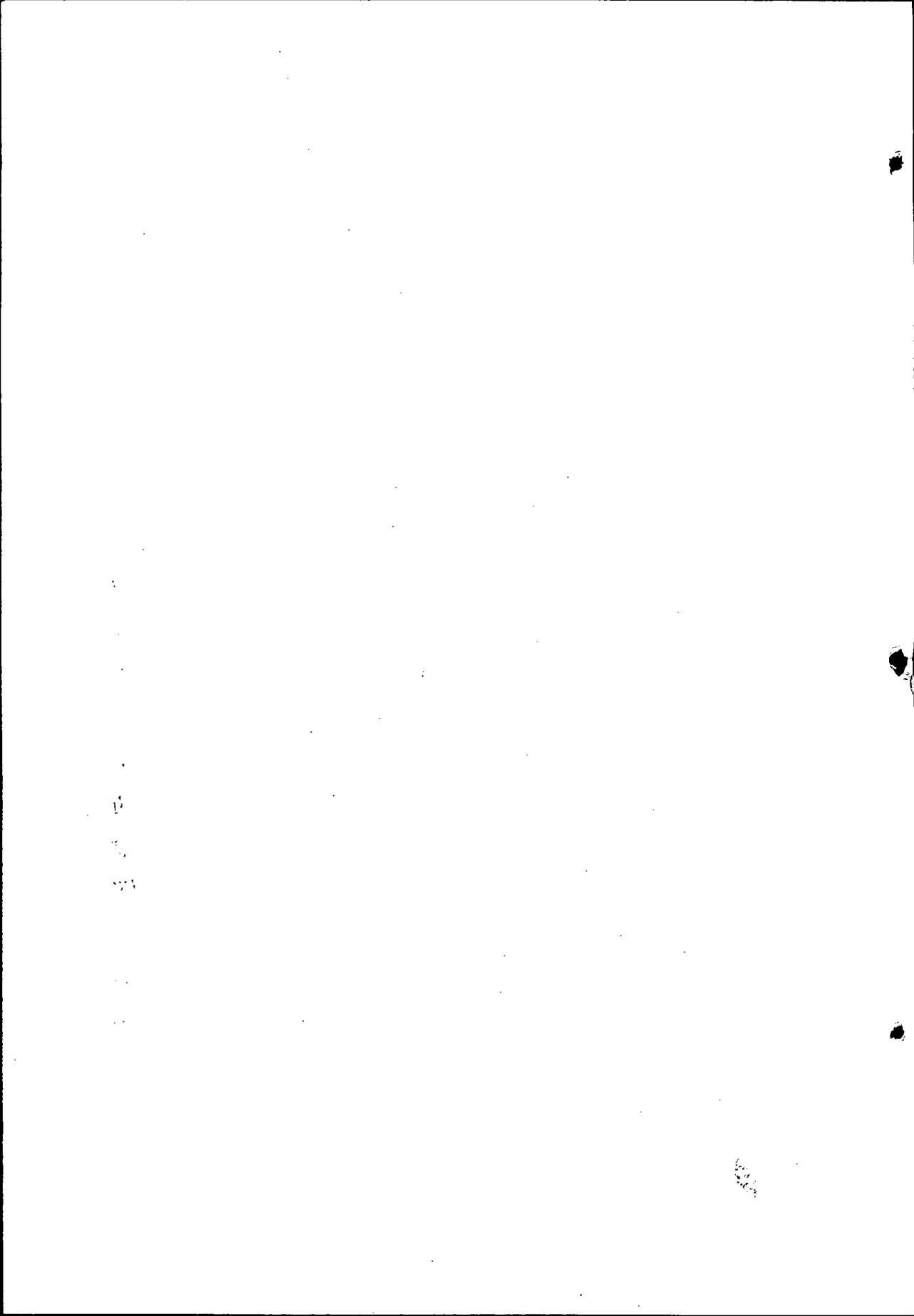
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IMPROVING THE REPRODUCTIVE PERFORMANCE OF DAIRY COWS WITH GnRH

Helmy Kotb Mohamed Zaghloul

ABSTRACT

Four experiments were conducted to determine the possibility of improving reproductive performance in early postpartum period by injection of gonadotropin releasing hormone (GnRH) on day 14 or 28 postpartum or prostaglandin $F_{2\alpha}$ ($PGF_{2\alpha}$) on day 16 postpartum to hasten uterine involution, induce first postpartum estrus, reduce days open and increase conception rate in dairy cows. In addition, the efficiency of the Ovsynch protocol for synchronization of ovulation using GnRH in combination with $PGF_{2\alpha}$ was also tested. Uterine involution period was significantly shorter in normal and abnormal cows treated with GnRH at day 14 or 28 postpartum. Also, GnRH treatment at 14 or 28 days postpartum led to shortened the first postpartum intervals, reduced days open and increased pregnancy rates at 28 or 60 days post artificial insemination. In addition, treatment with GnRH at 14 or 28 days decreased the number of services required to conceive. Treatment with $PGF_{2\alpha}$ at day 16 postpartum accelerate uterine involution period, induced first observed estrus at short interval and improved pregnancy rate. Treatment of GnRH in combination with $PGF_{2\alpha}$ led to increase conception rate compared to double injection of $PGF_{2\alpha}$ 14 day apart.



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